

# Sensitive mRNA detection using unfixed tissue: combining in situ hybridization histochemistry

Histochemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Marked increase in nitric oxide synthase mRNA in rat dorsal root ganglia after peripheral axotomy: in situ hybridization and functional studies.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11617-11621.	3.3	265
2	Distribution of thyrotropin-releasing hormone receptor messenger RNA in the rat brain: An in situ hybridization study. Neuroscience, 1992, 51, 891-909.	1.1	67
3	Cloning of human neurotensin/neuromedin n genomic sequences and expression in the ventral mesencephalon of schizophrenics and age/sex matched controls. Neuroscience, 1992, 50, 259-268.	1.1	53
4	Identification of neurons expressing thyrotropin releasing-hormone receptor mRNA in spinal cord and lower brainstem of rat. Neuroscience Letters, 1992, 142, 143-146.	1.0	39
5	Reappearance of calcitonin gene-related peptide-like immunoreactivity in the dorsal horn in long-term dorsal root transected rat. Brain Research, 1992, 585, 400-404.	1.1	16
6	Expression of GAP-43 mRNA in the adult mammalian spinal cord under normal conditions and after different types of lesions, with special reference to motoneurons. Experimental Brain Research, 1992, 91, 284-95.	0.7	77
7	The major histocompatibility complex influences myelin basic protein 63-88-induced T cell cytokine profile and experimental autoimmune encephalomyelitis. European Journal of Immunology, 1993, 23, 3089-3095.	1.6	72
8	Practical aspects of radio-isotopic in situ hybridization on RNA. The Histochemical Journal, 1993, 25, 251-266.	0.6	83
9	Expression of neuropeptides and neuropeptide mRNAs in spinal cord after axotomy in the rat, with special reference to motoneurons and galanin. Experimental Brain Research, 1993, 93, 450-61.	0.7	63
10	The serotonergic bulbospinal system and brainstem-spinal cord content of serotonin-, TRH-, and substance P-like immunoreactivity in the aged rat with special reference to the spinal cord motor nucleus. Synapse, 1993, 15, 63-89.	0.6	60
11	Effect of peripheral nerve cut on neuropeptides in dorsal root ganglia and the spinal cord of monkey with special reference to galanin. Journal of Neurocytology, 1993, 22, 342-381.	1.6	96
12	Catechol-O-methyltransferase mRNA in the kidney and its appearance during ontogeny. Kidney International, 1993, 44, 726-733.	2.6	23
13	Large Calibre Primary Afferent Neurons Projecting to the Gracile Nucleus Express Neuropeptide Y after Sciatic Nerve Lesions: an Immunohistochemical and In Situ Hybridization Study in Rats. European Journal of Neuroscience, 1993, 5, 1510-1519.	1.2	102
14	Cholecystokinin in Mammalian Primary Sensory Neurons and Spinal Cord:In SituHybridization Studies in Rat and Monkey. European Journal of Neuroscience, 1993, 5, 240-250.	1.2	153
15	GAP-43, aFGF, CCK and $\hat{1}\pm$ - and $\hat{1}^2$ -CGRP in Rat Spinal Motoneurons Subjected to Axotomy and/or Dorsal Root Severance. European Journal of Neuroscience, 1993, 5, 1321-1333.	1.2	61
16	Increased $\hat{1}\pm$ 1B-adrenoreceptor mRNA levels in the rat kidney after thyroidectomy. European Journal of Pharmacology, 1993, 247, 229-232.	2.7	2
17	Cellular localization of messenger RNA for beta-1 and beta-2 adrenergic receptors in rat brain: An in situ hybridization study. Neuroscience, 1993, 56, 1023-1039.	1.1	204
18	Evidence for endogenous inhibition of autotomy by galanin in the rat after sciatic nerve section: demonstrated by chronic intrathecal infusion of a high affinity galanin receptor antagonist. Neuroscience Letters, 1993, 149, 193-197.	1.0	87

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19	Marked increase in cholecystokinin b receptor messenger RNA levels in rat dorsal root ganglia after peripheral axotomy. <i>Neuroscience</i> , 1993, 57, 227-233.	1.1	122
20	Up-regulation of cholecystokinin in primary sensory neurons is associated with morphine insensitivity in experimental neuropathic pain in the rat. <i>Neuroscience Letters</i> , 1993, 152, 129-132.	1.0	167
21	Pre-pro-somatostatin mRNA in the developing rat spinal cord with special reference to ventral horn motoneurons. <i>Neuroscience Letters</i> , 1993, 163, 125-128.	1.0	5
22	CD8 is critically involved in lymphocyte activation by a <i>T. brucei</i> brucei-released molecule. <i>Cell</i> , 1993, 72, 715-727.	13.5	136
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25	Distribution of alpha 1 adrenoceptors in rat brain revealed by in situ hybridization experiments utilizing subtype-specific probes. <i>Journal of Neuroscience</i> , 1994, 14, 4252-4268.	1.7	233
26	Regulation of brain-derived neurotrophic factor (BDNF) expression and release from hippocampal neurons is mediated by non-NMDA type glutamate receptors. <i>Journal of Neuroscience</i> , 1994, 14, 1688-1700.	1.7	198
27	Expression of neuropeptide Y and neuropeptide Y (Y1) receptor mRNA in rat spinal cord and dorsal root ganglia following peripheral tissue inflammation. <i>Journal of Neuroscience</i> , 1994, 14, 6423-6434.	1.7	147
28	Thyroid abnormalities and hepatocellular carcinoma in mice transgenic for <i>v-erbA</i> .. <i>EMBO Journal</i> , 1994, 13, 4241-4250.	3.5	75
29	Organ-specific autoantigens induce transforming growth factor- $\beta$ 2 mRNA expression in mononuclear cells in multiple sclerosis and myasthenia gravis. <i>Annals of Neurology</i> , 1994, 35, 197-203.	2.8	54
30	Increased transforming growth factor- $\beta$ 2, interleukin-4, and interferon- $\beta$ 3 in multiple sclerosis. <i>Annals of Neurology</i> , 1994, 36, 379-386.	2.8	156
31	Cerebrospinal fluid. <i>Annals of Neurology</i> , 1994, 36, S100-S102.	2.8	40
32	Segment-specific expression of messenger RNA encoding for a glutamate transporter by renal tubule cells. <i>European Journal of Pharmacology</i> , 1994, 267, 323-328.	2.7	2
33	Effect of Peripheral Axotomy on Expression of Neuropeptide Y Receptor mRNA in Rat Lumbar Dorsal Root Ganglia. <i>European Journal of Neuroscience</i> , 1994, 6, 43-57.	1.2	106
34	Up-regulation of Neurotensin mRNA in the Rat Striatum After Acute Methamphetamine Treatment. <i>European Journal of Neuroscience</i> , 1994, 6, 646-656.	1.2	38
35	Decreased insulin-like growth factor binding protein-4 (IGFBP-4) mRNA levels in the liver after hypophysectomy. <i>Acta Physiologica Scandinavica</i> , 1994, 150, 235-237.	2.3	0
36	Chondrocytes of the adult rat express mRNA for insulin-like growth factor binding protein-4 (IGFBP-4). <i>Acta Physiologica Scandinavica</i> , 1994, 150, 345-346.	2.3	0

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38	Neuronal markers, peptides and enzymes in nerves and chromaffin cells in the rat adrenal medulla during postnatal development. <i>Developmental Brain Research</i> , 1994, 83, 35-52.	2.1	43
39	Augmented interferon- $\beta$ , interleukin-4 and transforming growth factor- $\beta$ mRNA expression in blood mononuclear cells in myasthenia gravis. <i>Journal of Neuroimmunology</i> , 1994, 51, 185-192.	1.1	36
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41	Comparison of the distribution of mu and delta opiate receptor mRNAs in rat and mouse brain by in situ hybridization. <i>Regulatory Peptides</i> , 1994, 54, 111-112.	1.9	4
42	Neurotrophins and their receptors in the rat pituitary gland: regulation of BDNF and trk B mRNA levels by adrenal hormones. <i>Molecular Brain Research</i> , 1994, 27, 347-354.	2.5	56
43	Induction of multiple immediate early genes in rat hypothalamic paraventricular nucleus after stress. <i>Molecular Brain Research</i> , 1994, 25, 234-241.	2.5	72
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48	Localization of tyrosine hydroxylase mRNA in the axons of the hypothalamo-neurohypophysial system. <i>Molecular Brain Research</i> , 1994, 23, 179-184.	2.5	27
49	Neuropeptide tyrosine is expressed in ensheathing cells around the olfactory nerves in the rat olfactory bulb. <i>Neuroscience</i> , 1994, 60, 709-726.	1.1	70
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57	Interferon $\hat{I}^3$ , interleukin 4 and transforming growth factor $\hat{I}^2$ in experimental autoimmune encephalomyelitis in lewis rats: Dynamics of cellular mRNA expression in the central nervous system and lymphoid cells. <i>Journal of Neuroscience Research</i> , 1995, 40, 579-590.	1.3	150
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60	Differential expression of mGluR5 metabotropic glutamate receptor mRNA by rat striatal neurons. <i>Journal of Comparative Neurology</i> , 1995, 354, 241-252.	0.9	178
61	Anatomical localisation of preproatrial natriuretic peptide mRNA in the rat brain by in situ hybridisation histochemistry: Novel identification in olfactory regions. <i>Journal of Comparative Neurology</i> , 1995, 356, 168-182.	0.9	31
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65	Altered expression after expansion of a v-erbA transgene in transgenic mice. <i>Transgenic Research</i> , 1995, 4, 378-387.	1.3	6
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67	Qualitative and quantitative detection of alkaline phosphatase coupled to an oligonucleotide probe for somatostatin mRNA after in situ hybridization using unfixed rat brain tissue. <i>Histochemistry</i> , 1995, 103, 463-471.	1.9	26
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70	Expression of protein kinase C isoforms in renal tissue. <i>Kidney International</i> , 1995, 47, 766-773.	2.6	37
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72	Expression of NMDA Receptor mRNAs in Rat Motoneurons is Down-regulated after Axotomy. <i>European Journal of Neuroscience</i> , 1995, 7, 2101-2110.	1.2	82
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75	Expression of enkephalin and dynorphin precursor mRNAs in brain areas of hypo-and hyperthyroid rat: effect of kainic acid injection. <i>Brain Research</i> , 1995, 687, 83-93.	1.1	22
76	Expression of pituitary adenylate cyclase-activating polypeptide in dorsal root ganglia following axotomy: time course and coexistence. <i>Brain Research</i> , 1995, 705, 149-158.	1.1	110
77	Islet amyloid polypeptide (amylin) is expressed in sensory neurons. <i>Journal of Neuroscience</i> , 1995, 15, 7625-7632.	1.7	84
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79	Stress increases brain-derived neurotrophic factor messenger ribonucleic acid in the hypothalamus and pituitary.. <i>Endocrinology</i> , 1995, 136, 3743-3750.	1.4	209
80	Expression of Immediate Early Genes in Tubular Cells of Rat Testis. <i>Biology of Reproduction</i> , 1995, 52, 1215-1226.	1.2	16
81	Expression of IFN- $\hat{1}$ <sup>3</sup> , IL-4, and TGF- $\hat{1}$ <sup>2</sup> in multiple sclerosis in relation to HLA-Dw2 phenotype and stage of disease. <i>Multiple Sclerosis Journal</i> , 1995, 1, 173-180.	1.4	19
82	Birth-Related Up-Regulation of mRNA Encoding Tyrosine Hydroxylase, Dopamine $\hat{1}$ <sup>2</sup> -Hydroxylase, Neuropeptide Tyrosine, and Prepro-Enkephalin in Rat Adrenal Medulla Is Dependent on Postnatal Oxygenation. <i>Pediatric Research</i> , 1995, 37, 701-706.	1.1	22
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87	A Complementary Method to Radioligand-Mediated Autoradiography for Localizing Adrenergic, Alpha-2 Receptor-Producing Cells. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 222-242.	1.8	7
88	Focal brain injury induces multiple immediate early genes encoding zinc finger transcription factors. <i>Molecular Brain Research</i> , 1995, 28, 157-163.	2.5	62
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93	Distribution of neurotransmitters, neuropeptides, and receptors in the vestibular nuclei complex of the rat: An immunocytochemical, in situ hybridization and quantitative receptor autoradiographic study. <i>Brain Research Bulletin</i> , 1995, 36, 443-452.	1.4	29
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95	Localization of preprogalanin messenger RNA in rat brain: Identification of transcripts in a subpopulation of cerebellar Purkinje cells. <i>Neuroscience</i> , 1996, 70, 709-728.	1.1	48
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105	Differential subcellular localization of SNAP-25a and SNAP-25b RNA transcripts in spinal motoneurons and plasticity in expression after nerve injury. <i>Molecular Brain Research</i> , 1996, 37, 49-62.	2.5	23
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112	Molecular components of the exocytotic machinery in the rat pituitary gland.. <i>Endocrinology</i> , 1996, 137, 5344-5356.	1.4	82
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114	Evidence for galanin receptors in primary sensory neurones and effect of axotomy and inflammation. <i>NeuroReport</i> , 1996, 8, 237-242.	0.6	96
115	Cloning of a novel receptor expressed in rat prostate and ovary.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 5925-5930.	3.3	4,363
116	Airborne nitric oxide: Inflammatory marker and aerocrine messenger in man. <i>Acta Physiologica Scandinavica</i> , 1996, 157, 4-27.	2.3	39
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120	Colony stimulating factor-1 potentiates neuronal survival in cerebral cortex ischemic lesion. <i>Acta Neuropathologica</i> , 1996, 92, 479-486.	3.9	45
121	Cellular expression of GDNF mRNA suggests multiple functions inside and outside the nervous system. <i>Cell and Tissue Research</i> , 1996, 286, 191-207.	1.5	214
122	Immunochemical and in situ hybridization analyses of retinoic acid receptor $\alpha$ , $\beta$ , and $\gamma$ in murine Harderian and submandibular glands. <i>Histochemistry and Cell Biology</i> , 1996, 106, 311-318.	0.8	4
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124	Dynamics of mRNA expression of interferon- $\beta$ , interleukin 4 and transforming growth factor $\beta$ 1 in sciatic nerves and lymphoid organs in experimental allergic neuritis. <i>European Journal of Neurology</i> , 1996, 3, 232-240.	1.7	18
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126	An improved protocol for purification of 35S-labelled oligonucleotide DNA probes for in situ hybridization applications. <i>Trends in Genetics</i> , 1996, 12, 506-507.	2.9	7
127	Dissociation between cytokine mRNA expression and protein production in shigellosis. <i>European Journal of Immunology</i> , 1996, 26, 1130-1138.	1.6	35
128	Neuropeptides and neurotrophin receptor mRNAs primary sensory neurons of aged rats. <i>Journal of Comparative Neurology</i> , 1996, 375, 303-320.	0.9	90



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130	Review: cytokines and the pathogenesis of multiple sclerosis. Journal of Neuroscience Research, 1996, 45, 322-333.	1.3	295
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132	Different trypanozoon species possess CD8 dependent lymphocyte triggering factor-like activity. Immunology Letters, 1996, 50, 71-80.	1.1	15
133	Expression of peptides, nitric oxide synthase and NPY receptor in trigeminal and nodose ganglia after nerve lesions. Experimental Brain Research, 1996, 111, 393-404.	0.7	62
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137	Evolution of the Creatine Kinases. Journal of Biological Chemistry, 1996, 271, 11920-11929.	1.6	29
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139	Detection of Lamprin mRNA in the Anadromous Sea Lamprey Using in Situ Hybridization. Biotechnic and Histochemistry, 1996, 71, 44-53.	0.7	12
140	Induction of Interferon- $\beta$ , Transforming Growth Factor- $\beta$ , and Interleukin-4 in Mouse Strains with Different Susceptibilities to <i>Trypanosoma brucei brucei</i> . Journal of Interferon and Cytokine Research, 1996, 16, 427-433.	0.5	19
141	Augmented expression of tumour necrosis factor- $\alpha$ and lymphotoxin in mononuclear cells in multiple sclerosis and optic neuritis. Brain, 1996, 119, 213-223.	3.7	82
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143	Tumor-Specific Decreased Expression of Calcium Sensing Receptor Messenger Ribonucleic Acid in Sporadic Primary Hyperparathyroidism <sup>1</sup> . Journal of Clinical Endocrinology and Metabolism, 1997, 82, 3481-3486.	1.8	105
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