Degradation of albumin by the renal proximal tubule ce fragments

Kidney International 65, 2113-2122

DOI: 10.1111/j.1523-1755.2004.00633.x

Citation Report

#	Article	IF	CITATIONS
1	New Form of Urinary Albumin in Early Diabetes. Clinical Chemistry, 2004, 50, 2238-2239.	1.5	7
2	Decreased urinary peptide excretion in patients with renal disease. American Journal of Kidney Diseases, 2004, 44, 1031-1038.	2.1	14
3	Processing Advanced Glycation End Product-Modified Albumin by the Renal Proximal Tubule and the Early Pathogenesis of Diabetic Nephropathy. Annals of the New York Academy of Sciences, 2005, 1043, 625-636.	1.8	10
4	Albumin stimulates cell growth, L-arginine transport, and metabolism to polyamines in human proximal tubular cells. Kidney International, 2005, 67, 1878-1889.	2.6	14
5	Impact of diabetic nephropathy and angiotensin II receptor blockade on urinary polypeptide patterns. Kidney International, 2005, 68, 193-205.	2.6	126
7	Proteomic-Based Identification of Cleaved Urinary beta2-microglobulin as a Potential Marker for Acute Tubular Injury in Renal Allografts. American Journal of Transplantation, 2005, 5, 729-738.	2.6	199
8	Urinary-peptide excretion by patients with and volunteers without diabetes. Translational Research, 2005, 145, 239-246.	2.4	48
9	Ficoll and dextran vs. globular proteins as probes for testing glomerular permselectivity: effects of molecular size, shape, charge, and deformability. American Journal of Physiology - Renal Physiology, 2005, 288, F605-F613.	1.3	376
10	Rf-2 Gene Modulates Proteinuria and Albuminuria Independently of Changes in Glomerular Permeability in the Fawn-Hooded Hypertensive Rat. Journal of the American Society of Nephrology: JASN, 2005, 16, 852-856.	3.0	61
11	Detection of urinary albumin. Advances in Chronic Kidney Disease, 2005, 12, 170-176.	0.6	58
12	Renal albumin absorption in physiology and pathology. Kidney International, 2006, 69, 440-449.	2.6	307
13	Characterization of the urinary albumin degradation pathway in the isolated perfused rat kidney. Translational Research, 2006, 147, 36-44.	2.4	34
14	Urinary proteomic profiles distinguish between active and inactive lupus nephritis. Rheumatology, 2006, 45, 1497-1504.	0.9	90
15	Intracellular Delivery of the p38 Mitogen-Activated Protein Kinase Inhibitor SB202190 [4-(4-Fluorophenyl)-2-(4-hydroxyphenyl)-5-(4-pyridyl)1H-imidazole] in Renal Tubular Cells: A Novel Strategy to Treat Renal Fibrosis. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 8-19.	1.3	59
16	Insights into the Relationship Between Hypertension and Albuminuria. Current Hypertension Reviews, 2007, 3, 29-37.	0.5	7
17	Albumin transport and processing by the proximal tubule: physiology and pathophysiology. Current Opinion in Nephrology and Hypertension, 2007, 16, 359-364.	1.0	64
18	The normal kidney filters nephrotic levels of albumin retrieved by proximal tubule cells: Retrieval is disrupted in nephrotic states. Kidney International, 2007, 71, 504-513.	2.6	350
19	Comparative Urine Analysis by Liquid Chromatographyâ^'Mass Spectrometry and Multivariate Statistics: Method Development, Evaluation, and Application to Proteinuria. Journal of Proteome Research, 2007, 6, 194-206.	1.8	48

#	Article	IF	Citations
20	Proteomics of Human Urine., 2007,, 225-268.		O
21	Extracellular matrix remodeling—Methods to quantify cell–matrix interactions. Biomaterials, 2007, 28, 151-161.	5.7	16
22	Measuring protein excretion in pregnancy. Nephrology, 2007, 12, 425-430.	0.7	11
23	Identification of a urinary proteomic signature for lupus nephritis in children. Pediatric Nephrology, 2007, 22, 2047-2057.	0.9	64
24	Where does albuminuria come from in diabetic kidney disease?. Current Diabetes Reports, 2008, 8, 477-485.	1.7	12
25	Proteinuria in diabetic kidney disease: A mechanistic viewpoint. Kidney International, 2008, 74, 22-36.	2.6	326
26	Proteomic profiling of urine identifies specific fragments of SERPINA1 and albumin as biomarkers of preeclampsia. American Journal of Obstetrics and Gynecology, 2008, 199, 551.e1-551.e16.	0.7	114
27	Renal Filtration, Transport, and Metabolism of Albumin and Albuminuria. , 2008, , 2081-2112.		3
28	Effects of Advanced Glycation End Product Modification on Proximal Tubule Epithelial Cell Processing of Albumin. American Journal of Nephrology, 2008, 28, 14-24.	1.4	23
29	The Kidney-Renal Lymph Node-System Contributes to Cross-Tolerance against Innocuous Circulating Antigen. Journal of Immunology, 2008, 180, 706-715.	0.4	70
30	Disease-dependent mechanisms of albuminuria. American Journal of Physiology - Renal Physiology, 2008, 295, F1589-F1600.	1.3	130
31	Relationship between Albuminuria and Total Proteinuria in Systemic Lupus Erythematosus Nephritis. Clinical Journal of the American Society of Nephrology: CJASN, 2008, 3, 1028-1033.	2.2	30
32	Glomerular permeability to macromolecules in the <i>Necturus </i> kidney. American Journal of Physiology - Renal Physiology, 2009, 296, F1269-F1278.	1.3	33
33	Glomerular sieving coefficient of serum albumin in the rat: a two-photon microscopy study. American Journal of Physiology - Renal Physiology, 2009, 296, F1258-F1265.	1.3	74
34	Proteasomal Processing of Albumin by Renal Dendritic Cells Generates Antigenic Peptides. Journal of the American Society of Nephrology: JASN, 2009, 20, 123-130.	3.0	88
35	Very Low-Molecular-Mass Fragments of Albumin in the Plasma of Patients With Focal Segmental Glomerulosclerosis. American Journal of Kidney Diseases, 2009, 54, 871-880.	2.1	20
36	Urine proteomics for profiling of human disease using high accuracy mass spectrometry. Proteomics - Clinical Applications, 2009, 3, 1052-1061.	0.8	117
37	Molecular heterogeneity of urinary albumin in glomerulonephritis: Comparison of cardiovascular disease with albuminuria. Clinica Chimica Acta, 2009, 402, 94-101.	0.5	9

#	ARTICLE	IF	Citations
38	Progression of Glomerular and Tubular Disease in Pediatrics. Seminars in Nephrology, 2009, 29, 412-424.	0.6	7
39	Microalbuminuria, Indicated by Total versus Immunoreactive Urinary Albumins, in Acute Ischemic Stroke Patients. Journal of Stroke and Cerebrovascular Diseases, 2011, 20, 510-516.	0.7	10
40	Preclinical perspective of urinary biomarkers for the detection of nephrotoxicity: what we know and what we need to know. Biomarkers in Medicine, 2011, 5, 763-779.	0.6	24
41	Effects of Mono- and Dual Blockade of the Renin-Angiotensin System on Markers of Cardiovascular Status in Hypertensive Patients with Mild and Moderate Renal Failure. Kidney and Blood Pressure Research, 2011, 34, 150-157.	0.9	1
42	Illuminating the Glomerular Filtration Barrier, Two Photons at a Time. Journal of the American Society of Nephrology: JASN, 2012, 23, 373-375.	3.0	2
43	Proteomic Biomarkers in Second Trimester Amniotic Fluid That Identify Women Who Are Destined to Develop Preeclampsia. Reproductive Sciences, 2012, 19, 694-703.	1.1	5
44	Generation of Urinary Albumin Fragments Does Not Require Proximal Tubular Uptake. Journal of the American Society of Nephrology: JASN, 2012, 23, 591-596.	3.0	23
45	Endocytic Receptors in the Renal Proximal Tubule. Physiology, 2012, 27, 223-236.	1.6	204
46	Albumin modification and fragmentation in renal disease. Clinica Chimica Acta, 2012, 413, 391-395.	0.5	14
47	Albumin handling by renal tubular epithelial cells in a microfluidic bioreactor. Biotechnology and Bioengineering, 2012, 109, 797-803.	1.7	71
48	Proteomic analysis of urine in medication-overuse headache patients: possible relation with renal damages. Journal of Headache and Pain, 2012, 13, 45-52.	2.5	15
49	Nop-7-associated 2 (NSA2), a candidate gene for diabetic nephropathy, is involved in the TGF \hat{l}^21 pathway. International Journal of Biochemistry and Cell Biology, 2013, 45, 626-635.	1.2	6
50	Albuminuria associated with CD2AP knockout mice is primarily due to dysfunction of the renal degradation pathway processing of filtered albumin. FEBS Letters, 2013, 587, 3738-3741.	1.3	15
51	Renal Filtration, Transport, and Metabolism of Albumin and Albuminuria., 2013,, 2457-2474.		2
52	Albumin Is Recycled from the Primary Urine by Tubular Transcytosis. Journal of the American Society of Nephrology: JASN, 2013, 24, 1966-1980.	3.0	115
53	Rab11a-positive compartments in proximal tubule cells sort fluid-phase and membrane cargo. American Journal of Physiology - Cell Physiology, 2014, 306, C441-C449.	2.1	17
54	Chymotrypsin-like activity and subunit composition of proteasomes in human cancers. Molecular Biology, 2014, 48, 384-389.	0.4	27
55	Analysis of the human urine endogenous peptides by nanoparticle extraction and mass spectrometry identification. Analytica Chimica Acta, 2014, 829, 40-47.	2.6	13

#	Article	IF	Citations
56	The Proximal Tubule and Albuminuria. Journal of the American Society of Nephrology: JASN, 2014, 25, 443-453.	3.0	212
57	Strategy and rationale for urine collection protocols employed in the NEPTUNE study. BMC Nephrology, 2015, 16, 190.	0.8	14
58	Inhibition of the Metabolic Degradation of Filtered Albumin Is a Major Determinant of Albuminuria. PLoS ONE, 2015, 10, e0127853.	1.1	4
59	Proteinuria causes dysfunctional autophagy in the proximal tubule. American Journal of Physiology - Renal Physiology, 2016, 311, F1271-F1279.	1.3	35
60	Are filtered plasma proteins processed in the same way by the kidney?. Journal of Theoretical Biology, 2016, 410, 18-24.	0.8	12
61	Receptor-Mediated Endocytosis in the Proximal Tubule. Annual Review of Physiology, 2017, 79, 425-448.	5.6	117
62	Imaging mass spectrometry reveals direct albumin fragmentation within the diabetic kidney. Kidney International, 2018, 94, 292-302.	2.6	7
63	Peptiduria: a potential early predictor of diabetic kidney disease. Clinical and Experimental Nephrology, 2019, 23, 56-64.	0.7	6
64	From Proteinuria to Fibrosis: An Update on Pathophysiology and Treatment Options. Kidney and Blood Pressure Research, 2021, 46, 411-420.	0.9	24
65	A Review of Specific Biomarkers of Chronic Renal Injury and Their Potential Application in Nonclinical Safety Assessment Studies. Toxicologic Pathology, 2021, 49, 996-1023.	0.9	27
66	Renal Handling of Albuminâ€"From Early Findings to Current Concepts. International Journal of Molecular Sciences, 2021, 22, 5809.	1.8	23
67	Determination of urinary peptides in patients with proteinuria. Indian Journal of Nephrology, 2008, 18, 150.	0.2	4
68	Tubular Mechanisms in Proteinuria. , 2016, , 23-40.		0
69	Advances in the Development of Biodegradable Polymeric Materials for Biomedical Applications. , 2022, , 532-566.		1
70	Albumin uptake and processing by the proximal tubule: physiological, pathological, and therapeutic implications. Physiological Reviews, 2022, 102, 1625-1667.	13.1	45
71	Neonatal Proteinuria in Calves—A Quantitative Approach. Animals, 2021, 11, 3602.	1.0	0
72	Spatiotemporal organisation of protein processing in the kidney. Nature Communications, 2022, 13, .	5.8	8
73	Proximal tubules eliminate endocytosed gold nanoparticles through an organelle-extrusion-mediated self-renewal mechanism. Nature Nanotechnology, 2023, 18, 637-646.	15.6	19