Product Datasheet

LRP2 Antibody (CD7D5) - Azide and BSA Free
NB110-96417

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Reviews: 1 Publications: 19

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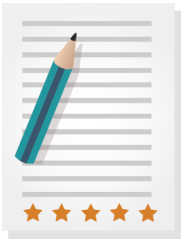
Updated 12/20/2023 v.20.1



NB110-96417

LRP2 Antibody (CD7D5) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CD7D5
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	600 kDa

Product Description

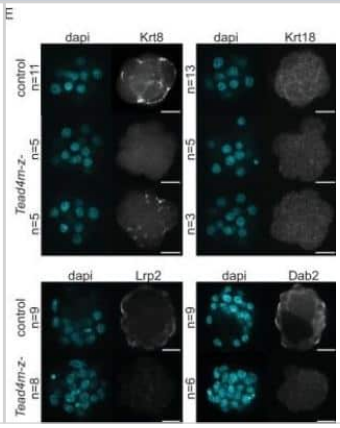
Host	Mouse
Gene ID	4036
Gene Symbol	LRP2
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Purified human LRP2.

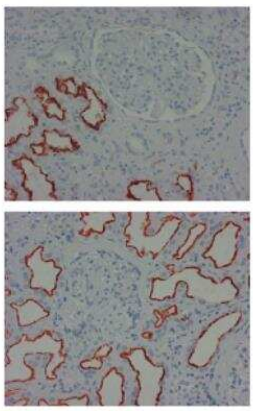
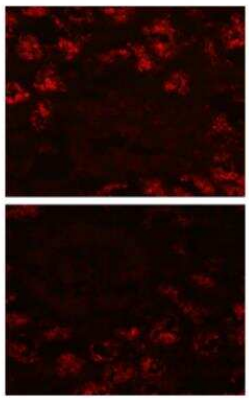
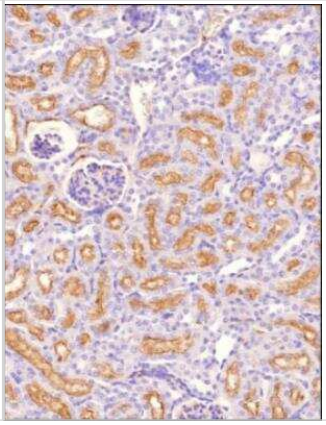
Product Application Details

Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 2-5 ug/ml, Immunocytochemistry/ Immunofluorescence 2-5 ug/ml, Immunohistochemistry-Paraffin 1:200, Immunohistochemistry-Frozen 1:50-1:300

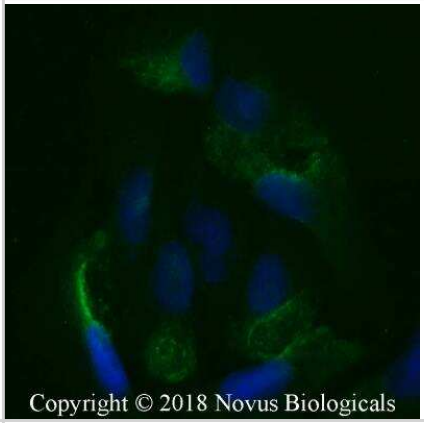
Images

Immunohistochemistry: LRP2 Antibody (CD7D5) [NB110-96417] - Representative immunofluorescence stainings of control (Tead4m-z+) and Tead4 maternal/zygotic mutant (Tead4m-z-) embryos for Krt8 and Krt18 (16 cell stage embryos) and Lrp2 and Dab2 (32 to 64 cell stage embryos; Lrp2 and Dab2 were not detected in earlier stage embryos). n indicates total number of embryos analyzed. Scale bar: 25 um. Image collected and cropped by CiteAb from the following publication (elifesciences.org/articles/22906), licensed under a CC-BY license.

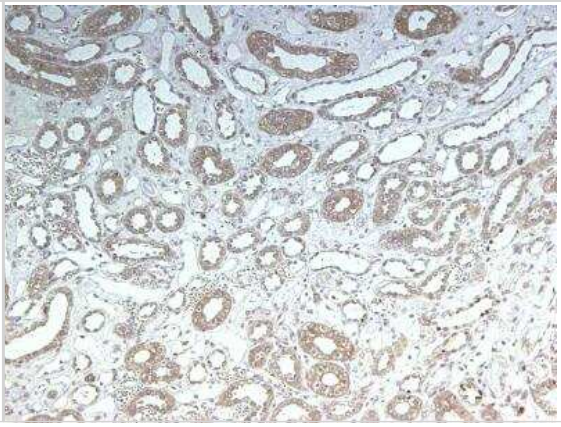


Immunohistochemistry-Paraffin: LRP2 Antibody (CD7D5) [NB110-96417] - Staining (paraffin-embedded tissue-sections fixed in formalin) of Megalin in the brush border of the proximal tubule.	
Immunocytochemistry/Immunofluorescence: LRP2 Antibody (CD7D5) [NB110-96417] - Immunofluorescence staining of Megalin in the brush border of the proximal tubule.	
Immunocytochemistry/Immunofluorescence: LRP2 Antibody (CD7D5) [NB110-96417] - Hek293 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-LRP2 Antibody (CD7D5) NB110-96417 at 1 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.	
Immunohistochemistry-Paraffin: LRP2 Antibody (CD7D5) [NB110-96417] - Analysis of a FFPE tissue section of mouse kidney using 1:200 dilution of LRP2 [CD7D5] antibody. The staining was developed using HRP labeled anti-mouse secondary antibody and DAB reagent, and nuclei of cells were counter-stained with hematoxylin.	

Immunocytochemistry/Immunofluorescence: LRP2 Antibody (CD7D5) [NB110-96417] - U2OS cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.1% Saponin. The cells were incubated with anti-LRP2 (CD7D5) at 20 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Immunohistochemistry-Paraffin: LRP2 Antibody (CD7D5) [NB110-96417] - Staining on human kidney at 1:100, overnight incubation at 4C. Image from a review by a confirmed customer.



Publications

Posfai E, Petropoulos S, de Barros FR et al. Position- and Hippo signaling-dependent plasticity during lineage segregation in the early mouse embryo. Elife. 2017-02-22 [PMID: 28226240]

Wangford RI Establishing a Drug Screening Platform for Polycystic Kidney Disease in Kidney Organoids Thesis 2023-01-01 (IHC-P)

Lian E, Pietrobon A, Stanford WL Differentiation and single-cell RNA-seq analyses of human pluripotent-stem-cell-derived renal organoids STAR protocols 2023-05-22 [PMID: 37220001] (ICC/IF, Human)

Polesel M, Kaminska M, Haenni D et al. Spatiotemporal organisation of protein processing in the kidney Nature communications 2022-09-29 [PMID: 36175561] (IF/IHC, Mouse)

Pietrobon A, Yockell-Lelievre J, Flood TA, Stanford WL Renal organoid modeling of tuberous sclerosis complex reveals lesion features arise from diverse developmental processes Cell reports 2022-07-05 [PMID: 35793620] (IHC-WhMt, Human)

Details:
Sample type: Renal organoids

Sander V, Przepiorski A, Crunk AE et al. Protocol for Large-Scale Production of Kidney Organoids from Human Pluripotent Stem Cells STAR protocols 2020-12-18 [PMID: 33377044] (IF/IHC, Human)

Seo JA, Kang MC, Yang WM et al. Apolipoprotein J is a hepatokine regulating muscle glucose metabolism and insulin sensitivity Nat Commun 2020-04-24 [PMID: 32332780] (PLA, Mouse)

Suzuki C, Tanida I, Oliva Trejo JA, et al. Autophagy Deficiency in Renal Proximal Tubular Cells Leads to an Increase in Cellular Injury and Apoptosis under Normal Fed Conditions Int J Mol Sci 2019-12-25 [PMID: 31881660] (IF/IHC, ICC/IF, Mouse)

Fels J, Scharner B, Zarbock R, Zavala Guevara IP et al. Cadmium Complexed with beta 2-Microglubulin, Albumin and Lipocalin-2 rather than Metallothionein Cause Megalin:Cubilin Dependent Toxicity of the Renal Proximal Tubule Int J Mol Sci 2019-05-14 [PMID: 31091675] (ICC/IF, Rat)

Kinguchi, S;Wakui, H;Azushima, K;Haruhara, K;Koguchi, T;Ohki, K;Uneda, K;Matsuda, M;Haku, S;Yamaji, T;Yamada, T;Kobayashi, R;Minegishi, S;Ishigami, T;Yamashita, A;Fujikawa, T;Tamura, K; Effects of ATRAP in Renal Proximal Tubules on Angiotensin-Dependent Hypertension J Am Heart Assoc 2019-04-16 [PMID: 30977419] (IF/IHC, Mouse)

Mohr J, Voggel J, Vohlen C et al. IL-6/Smad2 signaling mediates acute kidney injury and regeneration in a murine model of neonatal hyperoxia FASEB J. 2019-02-05 [PMID: 30721632] (IHC-P, Mouse)

Schuh CD, Polesel M, Platonova E et al. Combined Structural and Functional Imaging of the kidney Reveals Major Axial Differences in Proximal Tubule Endocytosis. J. Am. Soc. Nephrol. 2018-10-09 [PMID: 30301861] (IF/IHC, Mouse)

More publications at http://www.novusbio.com/NB110-96417

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Products Related to NB110-96417

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-85292PEP	LRP2 Recombinant Protein Antigen

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