

Mouse anti-Human Megalin Monoclonal Antibody | anti-LRP2 antibody

Mouse Anti-Human Megalin

CATALOG # AAA14941	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry
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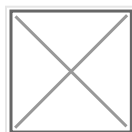
PRODUCT SYNONYMS

Megalín; Monoclonal Antibody; Mouse Anti-Human Megalin; Low-density lipoprotein receptor-related protein 2; Glycoprotein 330; gp330; anti-LRP2 antibody

PRODUCT SPECIFICATIONS

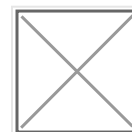
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG ₁
Clone Number	CD7D5
Specificity	This antibody cross reacts with rat and mouse Megalin.
Purity/Purification	Protein G purified
Form/Format	Sterile filtered antibody solution was lyophilized from PBS; does not contain stabilizers or preservatives.
Applicable Applications for anti-LRP2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	IF/IHC: use at 2-5ug/ml Optimal dilution should be determined by end user for each application.
Immunogen	Purified Human Megalin
Preparation	Monoclonal antibodies were produced with the help of BALB/c mice using purified human Megalin as the immunizing antigen.
Reconstitution	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.
Cross Reactivity	Rat, Mouse
Preparation and Storage	Lyophilized at -20 degree C to -80 degree C for long term. Lyophilized at 4 degree C for 3 months. Lyophilized at Room Temperature for 1 month. Reconstituted at 2-8 degree C for 2 weeks. After initial reconstitution, prepare working aliquots and store at -20 degree C to -80 degree C for 6 months.

IMAGES



IF (Immunofluorescence)

Figure 2: Immunofluorescence staining of Megalin in the brush border of the proximal tubule (AAA14941)



IHC (Immunohistochemistry)

Figure 1: Staining (paraffin-embedded tissue-sections fixed in formalin) of Megalin in the brush border of the proximal tubule (AAA14941)

ADDITIONAL INFORMATION

Related Product Information for anti-LRP2 antibody	Megalin/gp330, an approx. 600 kDa transmembrane glycoprotein is a large cell surface receptor that mediates the binding and internalization of a number of structurally and functionally distinct ligands from the lipoprotein and protease:protease inhibitor families.
References	1. Farquhar et al., J Am Soc Nephrol. 6:35, 1995 2. Saito et al., PNAS 93:8601, 1996 3. Hiesberger et al., JBC 271:28792, 1996 4. Orlando et al., PNAS 94:2368, 1997 5. Kerjaschki et al., J Clin Invest. 100:2303, 1997 6. Ziak et al., J Am Soc Nephrol. 10:203, 1999

NCBI AND UNIPROT INFORMATION

NCBI GI #	126012573
NCBI GeneID	4036
NCBI Accession #	NP_004516.2
NCBI GenBank Nucleotide #	NM_004525.2
UniProt Accession #	P98164; O00711; Q16215
Molecular Weight	~50 kDa HC and ~25 kDa LC
NCBI Official Full Name	low-density lipoprotein receptor-related protein 2
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 2
NCBI Official Symbol	LRP2
NCBI Official Synonym Symbols	DBS; GP330
NCBI Protein Information	low-density lipoprotein receptor-related protein 2; LRP-2; megalin; glycoprotein 330; calcium sensor protein; Heymann nephritis antigen homolog
UniProt Protein Name	Low-density lipoprotein receptor-related protein 2
UniProt Gene Name	LRP2
UniProt Synonym Gene Names	LRP-2; gp330
UniProt Entry Name	LRP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/megalin-antibody-clone-cd7d5-immunofluorescence-immunohistochemistry-elisa/14941>