



## Rabbit Anti-Fx1A antibody

SL1338R

<b>Product Name:</b>	Fx1A
<b>Chinese Name:</b>	肾刷状缘抗体
<b>Alias:</b>	gp330; RTE $\alpha$ 5; LRP2_RAT; Low-density lipoprotein receptor-related protein 2; LRP-2; Glycoprotein 330; Megalin.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b>  SL1338R has been referenced in 1 publications. <b>[IF=3.30]</b> Wu, Lingling, et al. "Rapamycin upregulates autophagy by inhibiting the mTOR-ULK1 pathway, resulting in reduced podocyte injury." PloS one 8.5 (2013): e63799. <b>other;</b> <a href="#">PubMed:23667674</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Mouse,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	518kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	Fx1A protein:
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>Binding of anti-Fx1A to Heymann nephritis antigens (HA) on rat glomerular epithelial cells (GECs) in culture leads to capping and disappearance of antigens from the cell surface. This process may contribute to the formation of glomerular subepithelial immune deposits in vivo. The authors differentially extracted GECs to determine whether HA redistribution is mediated by cytoskeletal components. Observations were made by phase-contrast and immunofluorescence microscopy on primary and passaged GECs in monolayer culture and by spectrofluorimetry on GECs in suspension.</p> <p><b>Function:</b> Acts together with cubilin to mediate HDL endocytosis. Receptor-mediated uptake of polybasic drugs such as aprotinin, aminoglycosides and polymyxin B.</p> <p><b>Subunit:</b> Binds plasminogen, extracellular matrix components, plasminogen activator-plasminogen activator inhibitor type I complex, apolipoprotein E-enriched beta-VLDL, lipoprotein lipase, lactoferrin, CLU/clusterin and calcium. Forms a multimeric complex together with a receptor-associated protein (RAP). Binds to ankyrin-repeat family A protein 2 (ANKRA2). Interacts with LRP2BP. Interacts (via NPXY motif) with DAB2; the interaction is not affected by tyrosine phosphorylation of the NPXY motif.</p> <p><b>Subcellular Location:</b> Cell membrane; Single-pass type I membrane protein. Membrane, clathrin-coated pit. Cytoplasm. Note=Expressed in clathrin-coated pits, a soluble form is possibly derived by cleavage at the cell surface.</p> <p><b>Tissue Specificity:</b> Epithelial cells of kidney glomerulus and proximal tubule, lung, epididymis, yolk sac, among others.</p> <p><b>Similarity:</b> Belongs to the LDLR family. Contains 17 EGF-like domains. Contains 36 LDL-receptor class A domains. Contains 37 LDL-receptor class B repeats.</p> <p><b>SWISS:</b> N/A</p> <p><b>Gene ID:</b> 361354</p> <p><b>Database links:</b> <a href="#">Entrez Gene: 201456</a>Human</p>

[Entrez Gene: 361354](#)Rat

[Omim: 609093](#)Human

[SwissProt: Q8NCQ5](#)Human

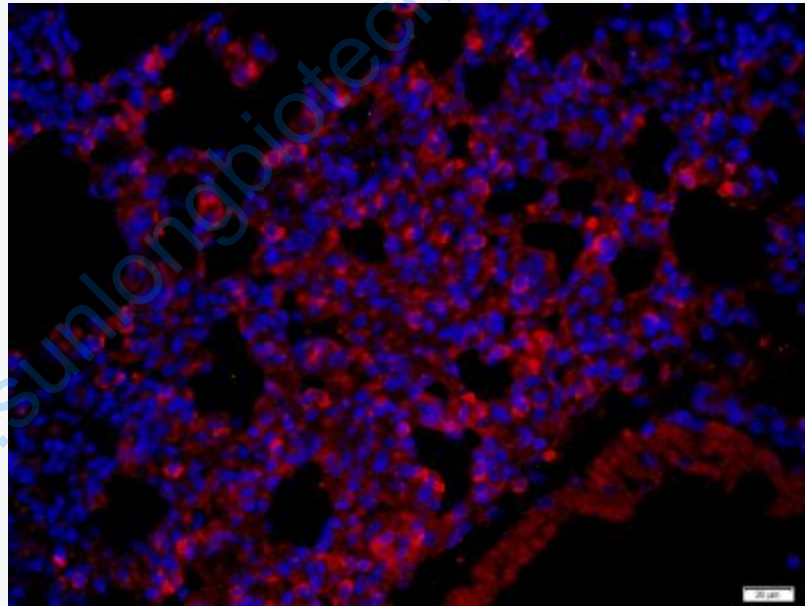
[Unigene: 664011](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

gp330是肾小管epithelial cells刷状缘上的一种大分子Lipoprotein, Fx1A;经生物化学方法纯化后称RTE $\alpha$ 5, Fx1A为大分子glycoprotein, 近来证实它是一种330Ka的glycoprotein, 现称gp330。主要与肾小球epithelial cells整合素受体作用的抗刷状缘抗体(抗FX1A)。

Picture:



Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Fx1A) Polyclonal Antibody, Unconjugated (SL1338R) at 1:400 overnight at 4°C, followed by a conjugated secondary (Goat Anti-rabbit IgG/Bio) for 20 minutes at 37°C, followed by a conjugated streptavidin

(SL1338R) at[1:500] for 40 minutes and DAPI staining of the nuclei.

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