

Rabbit Anti-Fx1A/Cy5 Conjugated antibody

SL1338R-Cy5

Product Name	Anti-Fx1A/Cy5
Chinese Name	Cy5 标记的肾刷状缘抗体
Alias	gp330; RTE α 5; LRP2_RAT; Low-density lipoprotein receptor-related protein 2; LRP-2; Glycoprotein 330; Megalin.
Research Area	immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	518kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	Fx1A protein
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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.

Function:

Acts together with cubilin to mediate HDL endocytosis. Receptor-mediated uptake of polybasic drugs such as aprotinin, aminoglycosides and polymyxin B.

Subunit:

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.

Subcellular Location:

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.

Tissue Specificity:

Epithelial cells of kidney glomerulus and proximal tubule, lung, epididymis, yolk sac, among others.

Similarity:

Belongs to the LDLR family.
Contains 17 EGF-like domains.
Contains 36 LDL-receptor class A domains.
Contains 37 LDL-receptor class B repeats.

Database links:

[Entrez Gene: 201456](#) Human

[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 α 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)。