



Rabbit Anti-SorLA antibody

SL11166R

Product Name:	SorLA
Chinese Name:	低密度Lipoprotein受体相关蛋白9抗体
Alias:	C11orf32; FLJ21930; FLJ39258; gp250; LDLR relative with 11 ligand binding repeats; LDLR relative with 11 ligand-binding repeats; Low density lipoprotein receptor relative with 11 ligand binding repeats; Low-density lipoprotein receptor relative with 11 ligand-binding repeats; LR 11; LR11; LRP 9; LRP9; Mosaic protein LR11; SORL 1; SORL_HUMAN; SORL1; SorLA 1; SorLA; SorLA-1; Sortilin related receptor; Sortilin related receptor L(DLR class) A repeats containing; Sortilin-related receptor; Sorting protein related receptor containing LDLR class A repeats; Sorting protein-related receptor containing LDLR class A repeats;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	235kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SorLA/LRP9:2001-2100/2214<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.

PubMed:[PubMed](#)

Sortilin-related receptor, also known as Sorting protein-related receptor containing LDLR class A (SorLA), is a Type I membrane protein that may be involved in cell-cell interaction. SorLA, a single transmembrane receptor, binds LDL (the main cholesterol-carrying lipoprotein of plasma) and transports it into cells by endocytosis. SorLA is synthesized as a proreceptor which is processed to the mature form by a furin-like propeptidase. It can also bind to RAP, receptor-associated protein. SorLa is a multifunctional endocytis receptor important in lipoprotein and protease uptake. The N-terminal propeptide, which is removed, can be cleaved by furin or homologous proteases. Endogenous sorLA binds the neuropeptide head activator (HA) and is important for HA signaling and function. It is expressed mainly in brain (cerebral cortex, cerebellum and the occipital pole), but can also be found in liver, spinal cord, kidney, testis and pancreas.

Function:

Likely to be a multifunctional endocytic receptor, that may be implicated in the uptake of lipoproteins and of proteases. Binds LDL, the major cholesterol-carrying lipoprotein of plasma, and transports it into cells by endocytosis. Binds the receptor-associated protein (RAP). Could play a role in cell-cell interaction.

Subunit:

Belongs to the SORL1 family. Contains 5 BNR repeats. Contains 1 EGF-like domain. Contains 6 fibronectin type-III domains. Contains 11 LDL-receptor class A domains. Contains 5 LDL-receptor class B repeats.

Subcellular Location:

Membrane.

Tissue Specificity:

Expressed mainly in brain, where it is most abundant in the cerebellum, cerebral cortex and the occipital pole; low expression in the putamen and the thalamus. According to PubMed:9157966, found in spinal cord, testis, liver, kidney and pancreas with detectable levels in placenta, lung and heart. According to PubMed:8940146, expressed in the prostate, ovary, thyroid and spleen, but not found in kidney, liver, lung, skeletal muscle, bone marrow and adrenals.

Post-translational modifications:

The propeptide removed in the N-terminus may be cleaved by furin or homologous proteases.

Similarity:

Belongs to the VPS10-related sortilin family. SORL1 subfamily.
Contains 5 BNR repeats.
Contains 1 EGF-like domain.
Contains 6 fibronectin type-III domains.
Contains 11 LDL-receptor class A domains.

Product Detail:

Contains 5 LDL-receptor class B repeats.

SWISS:
Q92673

Gene ID:
6653

Database links:

[Entrez Gene: 6653](#)Human

[Entrez Gene: 20660](#)Mouse

[Entrez Gene: 300652](#)Rat

[Omim: 602005](#)Human

[SwissProt: Q92673](#)Human

[SwissProt: O88307](#)Mouse

[SwissProt: Q9R0N2](#)Rat

[Unigene: 368592](#)Human

[Unigene: 121920](#)Mouse

Important Note:

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