

Mouse anti-Human SORL1 Antibody | anti-SORL1 antibody

SORL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108721	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry

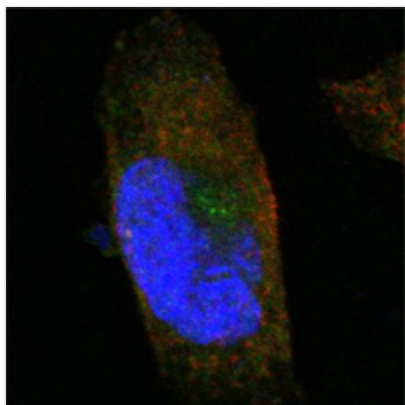
PRODUCT SYNONYMS

SORL1; SORL1 Antibody; anti-SORL1 antibody

PRODUCT SPECIFICATIONS

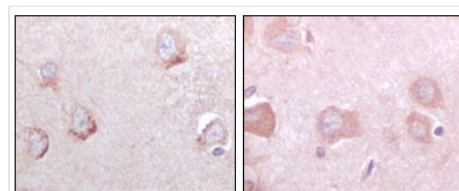
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	3B6B11
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	2214
Applicable Applications for anti-SORL1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	Purified recombinant fragment of human SORL1 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



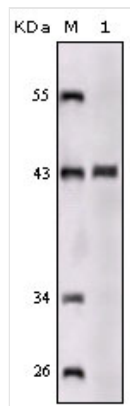
IF (Immunofluorescence)

Figure 4. Confocal immunofluorescence analysis of PANC-1 cells using SORL1 mouse mAb (green). Red. Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue. DRAQ5 fluorescent DNA dye.



IHC (Immunohistochemistry)

Figure 2. Immunohistochemical analysis of paraffin-embedded human cerebrum tissues using SORL1 mouse mAb with DAB staining.



WB (Western Blot)

Figure 1. Western blot analysis using SORL1 mouse mAb against truncated SORL1 recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-SORL1 antibody

SORL1 (sortilin-related receptor, L A repeats containing) 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 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 endocytosis 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. The gene encoding for the protein maps to chromosome 8p23.1. SorLA 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.

Product Categories/Family for anti-SORL1 antibody

Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507157
NCBI GeneID	6653
NCBI Accession #	NP_003096.1
NCBI GenBank Nucleotide #	NM_003105.5
UniProt Accession #	Q92673; Q92856; B2RXN7
NCBI Official Full Name	sortilin-related receptor preproprotein
NCBI Official Synonym Full Names	sortilin related receptor 1
NCBI Official Symbol	SORL1
NCBI Official Synonym Symbols	LR11; LRP9; SORLA; gp250; SorLA-1; C11orf32
NCBI Protein Information	sortilin-related receptor
UniProt Protein Name	Sortilin-related receptor
UniProt Gene Name	SORL1
UniProt Synonym Gene Names	C11orf32; LDLR relative with 11 ligand-binding repeats; LR11; SorLA

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.