Product Name: SORL1 Mouse Monoclonal Antibody
Catalog #: AMM80606
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	/

Antigen Information

Gene Name	SORL1
Alternative Names	SORL1
Gene ID	6653.0
SwissProt ID	Q92673
Immunogen	Purified recombinant fragment of human SORL1 expressed in E. Coli.

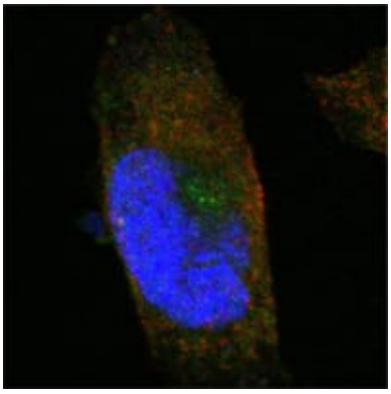
Background

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

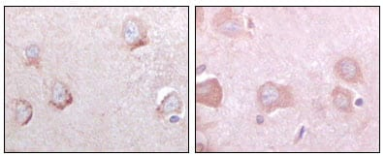
form by a furin-like propeptidase. It can also bind to RAP (receptor-associated protein). SorLA is a multifunctional endocytis receptor important in lipoprotein and protease uptake. The N-terminal propeptide, which is removed, can be cleaved by furin or homologous proteases. Endogenous SorLA binds the neuropeptide head activator (HA) and is important for HA signaling and function. 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.

Research Area

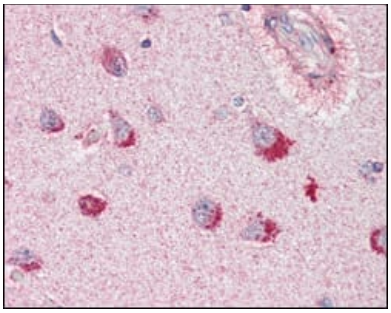
Image Data



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.



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



Immunohistochemical analysis of paraffin-embedded human brain, cortex tissues using SORL1 mouse mAb.