

ARG41056 anti-SORL1 / SorLA antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SORL1 / SorLA
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SORL1 / SorLA
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 2065-2214 of Human SORL1 (NP_003096.1).
Conjugation	Un-conjugated
Alternate Names	SorLA-1; SorLA; LRP9; LR11; C11orf32; SORLA; gp250; Sorting protein-related receptor containing LDLR class A repeats; LDLR relative with 11 ligand-binding repeats; Sortilin-related receptor; Low-density lipoprotein receptor relative with 11 ligand-binding repeats

Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:500 - 1:2000
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WB	1:500 - 1:2000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	HepG2				
Observed Size	290 kDa				

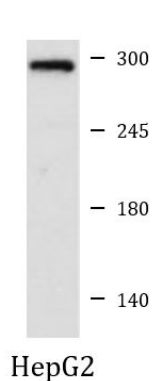
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SORL1
Gene Full Name	sortilin-related receptor, L(DLR class) A repeats containing
Background	This gene encodes a mosaic protein that belongs to at least two families: the vacuolar protein sorting 10 (VPS10) domain-containing receptor family, and the low density lipoprotein receptor (LDLR) family. The encoded protein also contains fibronectin type III repeats and an epidermal growth factor repeat. The encoded protein is translated as a preproprotein and likely plays roles in endocytosis and sorting. There may be an association between expression of this locus and Alzheimer's Disease.[provided by RefSeq, Sep 2010]
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. Involved in APP trafficking to and from the Golgi apparatus. It probably acts as a sorting receptor that protects APP from trafficking to late endosome and from processing into amyloid beta, thereby reducing the burden of amyloidogenic peptide formation. Involved in the regulation of smooth muscle cells migration, probably through PLAUR binding and decreased internalization. [UniProt]
Calculated Mw	248 kDa
PTM	The propeptide removed in the N-terminus may be cleaved by furin or homologous proteases. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. Golgi apparatus. Endosome. Secreted. [UniProt]

Images



ARG41056 anti-SORL1 / SorLA antibody WB image

Western blot: 25 µg of HepG2 cell lysate stained with ARG41056 anti-SORL1 / SorLA antibody at 1:3000 dilution.