

Datasheet for ABIN2789904
anti-Sortilin 1 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	Sortilin 1 (SORT1)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sortilin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Sequence:	YVCGGRFLVH RYSVLQQHAE ANGVGVDAL DTASHTNKSG YHDDSDELL
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against SORT1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Sortilin 1 (SORT1)
Alternative Name:	SORT1 (SORT1 Products)
Background:	This gene encodes a protein that is a multi-ligand type-1 receptor with similarity to the yeast

Target Details

carboxypeptidase Y sorting receptor Vps10 protein. The encoded protein, a trans-Golgi network (TGN) transmembrane protein, binds a number of unrelated ligands that participate in a wide range of cellular processes, however, it lacks the typical features of a signalling receptor. In the TGN, furin mediates the activation of the mature binding form. The encoded protein consists of a large luminal domain, a single transmembrane segment and short C-terminal cytoplasmic tail. The luminal domain contains a cysteine-rich region similar to two corresponding segments in the yeast Vps10p, the cytoplasmic tail is similar to the corresponding segment of the cation-independent mannose 6-phosphate receptor and the tail also interacts with the VHS domains of GGA (Golgi-associated, gamma-adaptin homologous, ARF-interacting) proteins.

Alias Symbols: Gp95, NT3

Protein Interaction Partner: NUDCD3, UBC, SORCS1, GGA1, GGA3, GGA2, STAM, ELAVL1, NTS, NGF, NGFR, BDNF, LRPAP1, CDK2, SLC2A4,

Protein Size: 831

Molecular Weight: 84 kDa

Gene ID: 6272

NCBI Accession: [NM_002959](#), [NP_002950](#)

UniProt: [Q99523](#)

Pathways: [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 831 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

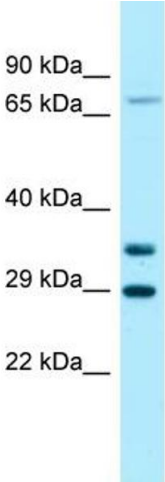
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Rabbit Anti-SORT1 Antibody
Catalog Number: ARP64630
Lot Number: QC35243
Lane: Hela Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 1.