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Datasheet for ABIN7179077

anti-Sortilin 1 antibody (AA 610-754)

Overview

Quantity:	100 µg
Target:	Sortilin 1 (SORT1)
Binding Specificity:	AA 610-754
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sortilin 1 antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Recombinant Rat Sortilin protein (610-754AA)
Isotype:	IgG
Cross-Reactivity:	Rat
Purification:	>95%, Protein G purified

Target Details

Target:	Sortilin 1 (SORT1)
Alternative Name:	Sort1 (SORT1 Products)
Background:	Background: Functions as a sorting receptor in the Golgi compartment and as a clearance receptor on the cell surface. Required for protein transport from the Golgi apparatus to the

Target Details

lysosomes by a pathway that is independent of the mannose-6-phosphate receptor (M6PR). Also required for protein transport from the Golgi apparatus to the endosomes. Promotes neuronal apoptosis by mediating endocytosis of the proapoptotic precursor forms of BDNF (proBDNF) and NGFB (proNGFB). Also acts as a receptor for neurotensin. May promote mineralization of the extracellular matrix during osteogenic differentiation by scavenging extracellular LPL. Probably required in adipocytes for the formation of specialized storage vesicles containing the glucose transporter SLC2A4/GLUT4 (GLUT4 storage vesicles, or GSVs). These vesicles provide a stable pool of SLC2A4 and confer increased responsiveness to insulin. May also mediate transport from the endoplasmic reticulum to the Golgi.

Aliases: Sort1 antibody, Sortilin antibody, Glycoprotein 110 antibody, Gp110 antibody, Neurotensin receptor 3 antibody, NTR3 antibody

UniProt: [O54861](#)

Pathways: [Neurotrophin Signaling Pathway](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.