

Sortilin Antibody

Rabbit mAb Catalog # AP91340

Product Information

Application	WB, IHC
Primary Accession	<u>Q99523</u>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	100 kDa NT receptor; Glycoprotein 95; Gp95; LDLCQ6; Neurotensin receptor 3; NT3; NTR3; SORT 1; Sortilin 1;
lsotype	Rabbit IgG
Host	Rabbit
Calculated MW	92068

Additional Information

Dilution Purification Immunogen	WB 1:500~1:2000 IHC 1:50~1:200 Affinity-chromatography A synthesized peptide derived from human Sortilin
Description	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 lysosomes by a pathway that is independent of the mannose-6-phosphate receptor (M6PR).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

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ndependent of the al proteins bind specifically sulting receptor-ligand compartment where the low Med: <u>16787399</u>). The other round of trafficking d for protein transport from neuronal apoptosis by rsor forms of BDNF ceptor for neurotensin. May x during osteogenic robably required in
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	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.
Cellular Location	Golgi apparatus, Golgi stack membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single- pass type I membrane protein. Nucleus membrane; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein; Extracellular side Lysosome membrane; Single-pass type I membrane protein. Note=Localized to membranes of the endoplasmic reticulum, endosomes, Golgi stack, lysosomes and nucleus. A small fraction of the protein is also localized to the plasma membrane. May also be found in SLC2A4/GLUT4 storage vesicles (GSVs) in adipocytes Localization to the plasma membrane in adipocytes may be enhanced by insulin
Tissue Location	Expressed in brain and prostate (at protein level). Expressed at high levels in brain, spinal cord, heart, skeletal muscle, thyroid, placenta and testis. Expressed at lower levels in lymphoid organs, kidney, colon and liver.

Images



Western blot analysis of Sortilin expression in SW480 cell lysate.

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