

RecomAb™

SORT1 recombinant monoclonal antibody, clone R08-6G5

Catalog # RAB06443 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat SORT1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human SORT1.
Theoretical MW (kDa)	Calculated MW: 92 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

Gene Info — SORT1

Entrez GeneID [6272](#)

Protein Accession# [Q99523](#)

Gene Name SORT1

Gene Alias Gp95, NT3

Gene Description sortilin 1

Omim ID [602458](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a protein that is a multi-ligand type-1 receptor with similarity to the yeast 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. [provided by RefSeq]

Other Designations OTTHUMP00000013784|neurotensin receptor 3

Pathway

- [Lysosome](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Frontotemporal Lobar Degeneration](#)

- [Genetic Predisposition to Disease](#)
- [Lipid Metabolism Disorders](#)
- [Myocardial Infarction](#)
- [Ovarian Neoplasms](#)