



Anti-SORT1 (aa 203-299) polyclonal antibody (DPAB-DC2767)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	SORT1 (NP_002950, 203 a.a. ~ 299 a.a) partial recombinant protein with GST tag. The sequence is FAKNFVQTDLPFHPLTQMMYSPQNSDYLLALSTENGLWVSKNFGGKWEEIHKAVCLAKWG SDNTIFFTTYANGSCKADLGALELWRTSDLGKSFKTI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SORT1 sortilin 1 [Homo sapiens (human)]
Official Symbol	SORT1
Synonyms	SORT1; sortilin 1; NT3; Gp95; LDLCQ6; sortilin; NTR3; glycoprotein 95; 100 kDa NT receptor; neurotensin receptor 3;
Entrez Gene ID	6272
Protein Refseq	NP_001192157
UniProt ID	Q99523
Chromosome Location	1p13.3; 1p21.3-p13.1
Pathway	BDNF signaling pathway; Golgi Associated Vesicle Biogenesis; Lysosome; Neurotrophin signaling pathway.
Function	enzyme binding; nerve growth factor binding; nerve growth factor receptor activity; neurotensin receptor activity, non-G-protein coupled