



## 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

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

**Storage**

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

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## GENE INFORMATION

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

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