

Rabbit SORT1 Polyclonal Antibody | anti-SORT1 antibody

SORT1 antibody - C-terminal region

CATALOG # AAA201297	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	---	---

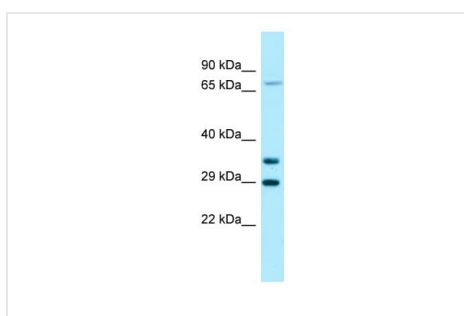
PRODUCT SYNONYMS

SORT1; Polyclonal Antibody; SORT1 antibody - C-terminal region; anti-SORT1 antibody

PRODUCT SPECIFICATIONS

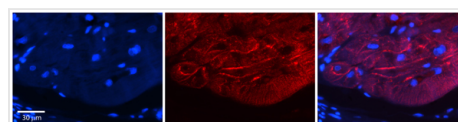
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: YV CGGRFLVHRY SVLQQHAEAN GVDGVDALDT ASHTNKSGYH DDSDEDLL
Sequence Length	831
Applicable Applications for anti-SORT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 93%; Rat: 93%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-SORT1 Antibody Titration: 1.0 ug/ml Positive Control: HeLa Whole Cell



IHC (Immunohistochemistry)

Rabbit Anti-SORT1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Heart Tissue Observed Staining: Cytoplasm and plasma membrane in cardiomyocytes Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-SORT1 antibody	This is a rabbit polyclonal antibody against SORT1. It was validated on Western Blot Target 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.
Product Categories/Family for anti-SORT1 antibody	Polyclonal; Signaling Intermediate; Membrane Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	17149834
NCBI GeneID	6272
NCBI Accession #	NP_002950
NCBI GenBank Nucleotide #	NM_002959
UniProt Accession #	Q99523
Molecular Weight	84kDa
NCBI Official Full Name	sortilin isoform 1 preproprotein
NCBI Official Synonym Full Names	sortilin 1
NCBI Official Symbol	SORT1
NCBI Official Synonym Symbols	NT3; Gp95; NTR3; LDLCQ6
NCBI Protein Information	sortilin
UniProt Protein Name	Sortilin
UniProt Gene Name	SORT1
UniProt Synonym Gene Names	Gp95; NT3; NTR3
UniProt Entry Name	SORT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.