# SORT1 rabbit monoclonal antibody

Catalog # H00006272-K Size 100 ug x up to 3

## Specification

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|---|---|
| **Product Description** | Rabbit monoclonal antibody raised against a human SORT1 peptide using ARM Technology. |
| **Immunogen** | A synthetic peptide of human SORT1 is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence. |
| **Host** | Rabbit |
| **Library Construction** | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| **Expression** | Overexpression vector and transfection into 293H cell line. |
| **Reactivity** | Human |
| **Purification** | Protein A |
| **Isotype** | IgG |
| **Quality Control Testing** | Antibody reactive against human SORT1 peptide by ELISA and mammalian transfected lysate by W estern Blot. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Deliverable** | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| **Note** | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

  Protocol Download

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- ELISA

## Gene Info — SORT1

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|---|---|
| **Entrez GeneID** | 6272 |
| **GeneBank Accession#** | SORT1 |
| **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

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- Dementia
- Frontotemporal Lobar Degeneration
- Genetic Predisposition to Disease
- Lipid Metabolism Disorders
- Myocardial Infarction
- Ovarian Neoplasms

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