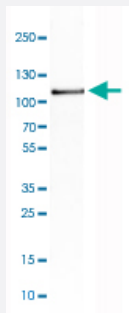


# SORT1 polyclonal antibody

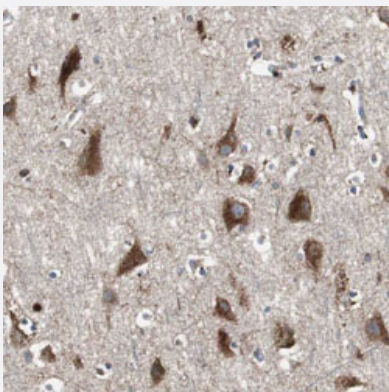
Catalog # PAB31380      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of SK-BR-3 cell lysate with SORT1 polyclonal antibody (Cat # PAB31380).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with SORT1 polyclonal antibody (Cat # PAB31380) shows strong cytoplasmic positivity in neuronal cells.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant human SORT1.
<b>Immunogen</b>	Recombinant protein corresponding to human SORT1.
<b>Sequence</b>	LERNCEEKDYTWLAHSTDPEDYEDGCILGYKEQFLRLRKSSVCQNGRDYVVTQPSICLCSLED FLCDFGYRPENDSKCVEQPELKGHDLEFCLYGREEHLTTNGYRKIPGDKCQGGVNPVREVVD
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 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 (Cell lysate)

Western Blot analysis of SK-BR-3 cell lysate with SORT1 polyclonal antibody (Cat # PAB31380).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with SORT1 polyclonal antibody (Cat # PAB31380) shows strong cytoplasmic positivity in neuronal cells.

## Gene Info — SORT1

Entrez GeneID	<a href="#">6272</a>
Protein Accession#	<a href="#">Q99523</a>
Gene Name	SORT1
Gene Alias	Gp95, NT3
Gene Description	sortilin 1
Omim ID	<a href="#">602458</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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](#)