

**GOPC / PIST Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11684****Specification****GOPC / PIST Antibody (C-Terminus) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">O9HD26</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 51kDa KDa              |

**GOPC / PIST Antibody (C-Terminus) - Additional Information****Gene ID** 57120**Other Names**

Golgi-associated PDZ and coiled-coil motif-containing protein, CFTR-associated ligand, Fused in glioblastoma, PDZ protein interacting specifically with TC10, PIST, GOPC, CAL, FIG

**Target/Specificity**

16 amino acid peptide from near the carboxy terminus of human PIST

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

GOPC / PIST Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**GOPC / PIST Antibody (C-Terminus) - Protein Information****Name** GOPC ([HGNC:17643](#))**Function**

Plays a role in intracellular protein trafficking and degradation (PubMed:<a href="http://www.uniprot.org/citations/11707463" target="\_blank">11707463</a>, PubMed:<a href="http://www.uniprot.org/citations/14570915" target="\_blank">14570915</a>, PubMed:<a href="http://www.uniprot.org/citations/15358775" target="\_blank">15358775</a>). May regulate CFTR chloride currents and acid-induced ASIC3 currents by modulating cell surface expression of both channels (By similarity). May also regulate the intracellular trafficking of the ADR1B receptor (PubMed:<a href="http://www.uniprot.org/citations/15358775" target="\_blank">15358775</a>). May play a role in autophagy (By similarity). Together with MARCHF2 mediates the ubiquitination and lysosomal degradation of CFTR (PubMed:<a href="http://www.uniprot.org/citations/23818989" target="\_blank">23818989</a>). Overexpression results in CFTR intracellular retention and lysosomal degradation in the lysosomes (PubMed:<a href="http://www.uniprot.org/citations/11707463" target="\_blank">11707463</a>, PubMed:<a href="http://www.uniprot.org/citations/11707463" target="\_blank">11707463</a>, PubMed:<a href="http://www.uniprot.org/citations/11707463" target="\_blank">11707463</a>).

href="http://www.uniprot.org/citations/14570915" target="\_blank">14570915</a>).

#### **Cellular Location**

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein Synapse. Postsynaptic density. Cell projection, dendrite. Note=Enriched in synaptosomal and postsynaptic densities (PSD) fractions. Expressed in cell bodies and dendrites of Purkinje cells. Localized at the trans-Golgi network (TGN) of spermatids and the medulla of round spermatides.

#### **Tissue Location**

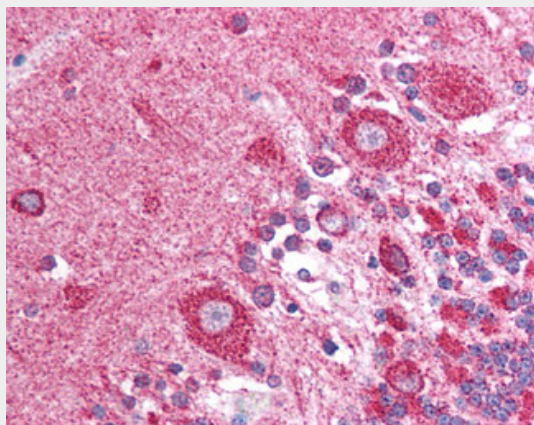
Ubiquitously expressed.

### **GOPC / PIST Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **GOPC / PIST Antibody (C-Terminus) - Images**



Anti-GOPC / PIST antibody IHC of human brain, cerebellum.

### **GOPC / PIST Antibody (C-Terminus) - Background**

Plays a role in intracellular protein trafficking and degradation. May regulate CFTR chloride currents and acid-induced ASIC3 currents by modulating cell surface expression of both channels. May also regulate the intracellular trafficking of the ADR1B receptor. May play a role in autophagy. Overexpression results in CFTR intracellular retention and degradation in the lysosomes.

### **GOPC / PIST Antibody (C-Terminus) - References**

Neudauer C.L., et al. Biochem. Biophys. Res. Commun. 280:541-547(2001).  
Charest A., et al. J. Biol. Chem. 276:29456-29465(2001).  
Cheng J., et al. J. Biol. Chem. 277:3520-3529(2002).

Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.  
Mungall A.J., et al. Nature 425:805-811(2003).