

**Anti-PIST Rabbit Monoclonal Antibody**  
Catalog # ABO15389**Specification****Anti-PIST Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	<a href="#">O9HD26</a>
Host	Rabbit
Isotype	IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-PIST Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse.

**Anti-PIST Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 57120

**Other Names**

Golgi-associated PDZ and coiled-coil motif-containing protein {ECO:0000312|HGNC:HGNC:17643}, CFTR-associated ligand, Fused in glioblastoma, PDZ protein interacting specifically with TC10, PIST, GOPC ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=17643](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=17643))

**Calculated MW**

55 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50<br>FC 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human PIST

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-PIST Rabbit Monoclonal Antibody - Protein Information**

**Name** GOPC ([HGNC:17643](#))

#### Function

Plays a role in intracellular protein trafficking and degradation (PubMed:[11707463](http://www.uniprot.org/citations/11707463), PubMed:[14570915](http://www.uniprot.org/citations/14570915), PubMed:[15358775](http://www.uniprot.org/citations/15358775)). 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:[15358775](http://www.uniprot.org/citations/15358775)). May play a role in autophagy (By similarity). Together with MARCHF2 mediates the ubiquitination and lysosomal degradation of CFTR (PubMed:[23818989](http://www.uniprot.org/citations/23818989)). Overexpression results in CFTR intracellular retention and lysosomal degradation in the lysosomes (PubMed:[11707463](http://www.uniprot.org/citations/11707463), PubMed:[14570915](http://www.uniprot.org/citations/14570915)).

#### 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

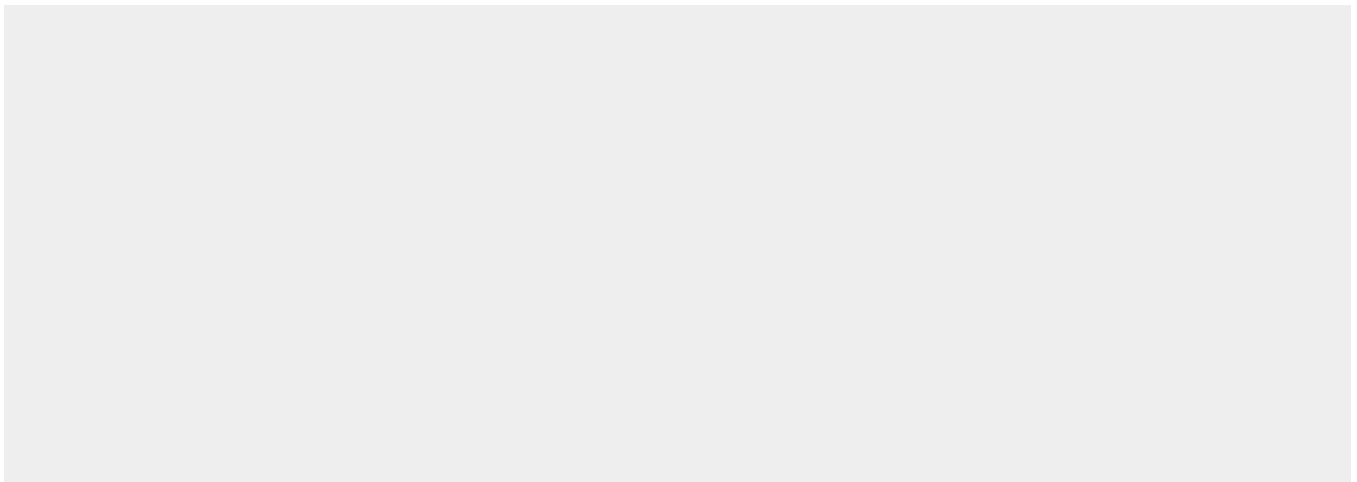
Ubiquitously expressed.

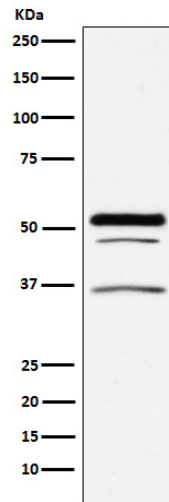
### Anti-PIST Rabbit Monoclonal Antibody - Protocols

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](#)

### Anti-PIST Rabbit Monoclonal Antibody - Images





Western blot analysis of PIST expression in A375 cell lysate.