

PIST Antibody
Rabbit mAb
Catalog # AP91881

Specification

PIST Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	O9HD26
Clonality	Monoclonal
Other Names	
GOPC; CAL; CFTR-associated ligand; GOPC1; FIG; PIST;	

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	50520 Da

PIST Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PIST
Description	Plays a role in intracellular protein trafficking and degradation. May regulate CFTR chloride currents and acid-induced ACCN3 currents by modulating cell surface expression of both channels.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

PIST Antibody - Protein Information

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

Function

Plays a role in intracellular protein trafficking and degradation (PubMed:11707463, PubMed:14570915, PubMed: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).

May play a role in autophagy (By similarity). Together with MARCHF2 mediates the ubiquitination and lysosomal degradation of CFTR (PubMed:23818989). Overexpression results in CFTR intracellular retention and lysosomal degradation in the lysosomes (PubMed:11707463, PubMed: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

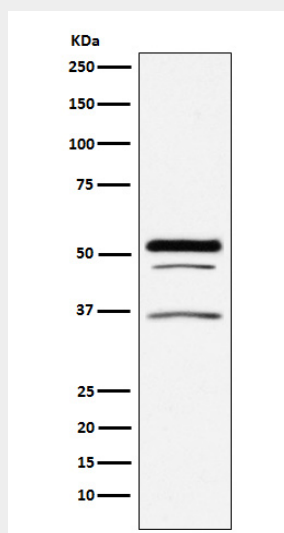
Ubiquitously expressed.

PIST 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](#)

PIST Antibody - Images



Western blot analysis of PIST expression in A375 cell lysate.