

PIST Antibody

Rabbit mAb

Catalog # AP91881

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	Q9HD26
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	GOPC; CAL; CFTR-associated ligand; GOPC1; FIG; PIST;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	50520

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
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.

Protein Information

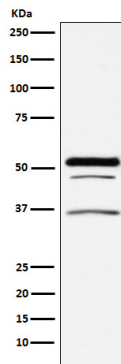
Name	GOPC (HGNC:17643)
Function	Plays a role in intracellular protein trafficking and degradation (PubMed: 11707463 , PubMed: 14570915 , PubMed: 15358775). May regulate CFTR chloride currents and acid-induced ASIC3 currents by modulating cell surface expression of both channels (By similarity). May also 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.

Images



Western blot analysis of PIST expression in A375 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.