

# PIST Antibody

Rabbit mAb

Catalog # AP91881

## Product Information

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

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human PIST
<b>Description</b>	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.
<b>Storage Condition and Buffer</b>	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

<b>Name</b>	GOPC ( <a href="#">HGNC:17643</a> )
<b>Function</b>	Plays a role in intracellular protein trafficking and degradation (PubMed: <a href="#">11707463</a> , PubMed: <a href="#">14570915</a> , PubMed: <a href="#">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="#">15358775</a> ). May play a role in autophagy (By similarity). Together with MARCHF2 mediates the ubiquitination and lysosomal degradation of CFTR (PubMed: <a href="#">23818989</a> ). Overexpression results in CFTR intracellular retention and lysosomal degradation in the lysosomes (PubMed: <a href="#">11707463</a> , PubMed: <a href="#">14570915</a> ).
<b>Cellular Location</b>	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

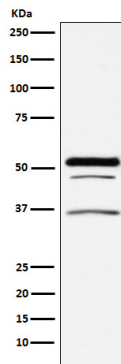
(TGN) of spermatids and the medulla of round spermatides.

**Tissue Location**

Ubiquitously expressed.

## Images

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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'.