10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-GOPC Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1544

Product Information

Application	WB, FC, ICC
Primary Accession	Q9HD26
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB5870
Calculated MW	50520
Gene Name	GOPC
Aliases	GOPC; Golgi Associated PDZ And Coiled-Coil Motif Containing; PIST; FIG; CAL; DJ94G16.2; GOPC1; Golgi-Associated PDZ And Coiled-Coil Motif-Containing Protein; PDZ Protein Interacting Specifically With TC10; CFTR-Associated Ligand; Fused In Glioblastoma; PDZ/Coiled-Coil Domain Binding Partner For The Rho-Family GTPase TC10; Golgi-Associated PDZ And Coiled-Coil Motif Containing Protein; DJ94G16.2 PIST
Immunogen	A synthesized peptide derived from human PIST

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 (HGNC:17643)

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 lysosomaldegradation 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.

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