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Datasheet for ABIN1386478
anti-GOPC antibody (AA 131-230)

Overview

Quantity:	100 µL
Target:	GOPC
Binding Specificity:	AA 131-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GOPC antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PIST
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GOPC
Alternative Name:	PIST/GOPC (GOPC Products)

Target Details

Background: Synonyms: CAL, CFTR associated ligand, CFTR-associated ligand, FIG, Fused in glioblastoma, Golgi associated PDZ and coiled coil mot containing, Golgi associated PDZ and coiled coil mot containing protein, Golgi-associated PDZ and coiled-coil mot-containing protein, GOPC, GOPC_HUMAN, GOPC1, OTTHUMP00000040403, PDZ protein interacting specically with TC 10, PDZ protein interacting specically with TC10, PDZ/coiled coil domain binding partner for the rho family GTPase TC 10, PDZ/coiled coil domain binding partner for the rho family GTPase TC10, PIST, Protein interacting specically with Tc 10, Protein interacting specically with Tc10, dJ94G16.2, dJ94G16.2 PIST.

Background: PIST (PDZ protein interacting specifically with TC10), also known as GOPC (golgi associated PDZ and coiled-coil motif containing), CAL or FIG, is a 462 amino acid protein that localizes to the cytoplasm, as well as to the membrane of the golgi apparatus and to the cell junction. Expressed ubiquitously and containing one PDZ (DHR) domain, PIST functions as a homooligomer that interacts with a variety of proteins and plays a role in intracellular protein trafficking and degradation. Additionally, PIST is thought to regulate ionic currents via membrane channel modification and may also play a role in autophagy. Chromosomal aberrations in the gene encoding PIST are found in glioblastoma multiform (GBM), a common and aggressive form of brain tumor, suggesting a role for mutated PIST in carcinogenesis. Three isoforms of PIST exist due to alternative splicing events.

Pathways: [Maintenance of Protein Location, Asymmetric Protein Localization](#)

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months