

Datasheet for ABIN497983
anti-GOPC antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	GOPC
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GOPC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	PIST antibody was raised against a 16 amino acid peptide from near the carboxy terminus of Human PIST
Isotype:	IgG
Specificity:	Recognizes PIST (C-term).
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse and Rat
Purification:	Immunoaffinity Chromatography

Target Details

Target:	GOPC
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Target Details

Alternative Name:	GOPC / PIST (GOPC Products)
Background:	Autophagy, the process of bulk degradation of cellular proteins through an autophagosomal-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components (1,2) and is negatively regulated by TOR (Target of rapamycin) (3). PIST, a PDZ-containing protein, was discovered in a yeast two-hybrid system as a binding partner to Beclin-1, a Bcl-2-interacting protein homologous to the yeast autophagy gene apg6 (4-6). Experiments with mutant PIST proteins lacking the PDZ domain showed that PIST interaction with Beclin-1 through its coiled-coil domain can modulate Beclin-1 activity and suggest that PIST interactions with other proteins through its PDZ domain may regulate the activity of PIST and Beclin-1 (6). Synonyms: CAL, CFTR-associated ligand, FIG, Fused in glioblastoma, Golgi-associated PDZ and coiled-coil motif-containing protein, PDZ protein interacting specifically with TC10
Gene ID:	57120
NCBI Accession:	NP_001017408
UniProt:	Q9HD26
Pathways:	Maintenance of Protein Location , Asymmetric Protein Localization

Application Details

Application Notes:	ELISA. Western blot: PIST antibody can be used for the detection of PIST at 1-2 µg/mL. Positive Control: Rat Colon Cell Lysate. Immunohistochemistry on paraffin sections. Positive Control: Rat Colon Cell Lysate. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

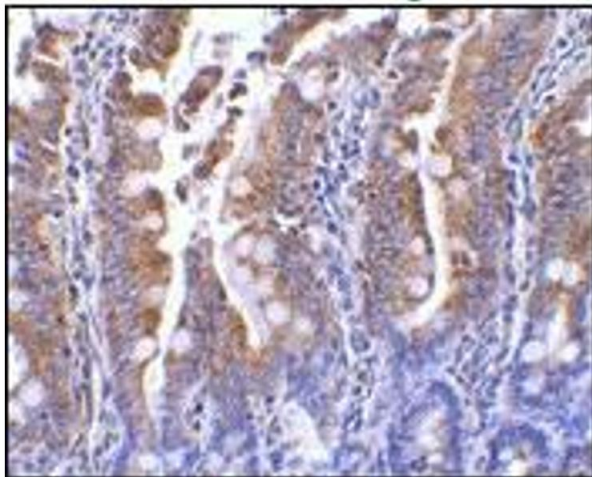
Handling

Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C

Handling

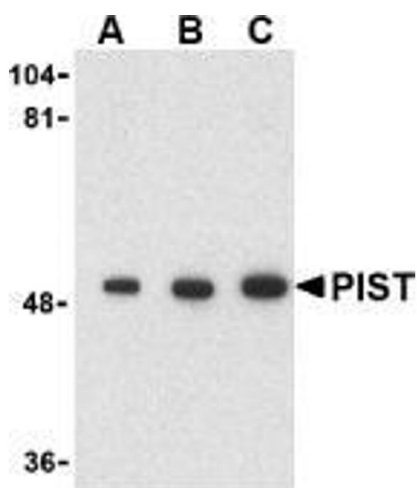
Storage Comment: Store the antibody undiluted at 2-8 °C. Antibodies should not be exposed to prolonged high temperatures.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. AP20060PU-N PIST antibody staining of Rat Colon tissue by Immunohistochemistry at 1 µg/ml.



Western Blotting

Image 2. AP20060PU-N PIST antibody staining of Rat Colon Cell Lysate by Western Blotting at (A) 1 and (B) 2 and (C) 4 µg/ml.