Datasheet for ABIN391395

anti-GOPC antibody (AA 164-193)

2 Images

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Overview

Quantity:	400 µL
Target:	GOPC
Binding Specificity:	AA 164-193
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GOPC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PIST antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 164-193 amino acids from the Central region of human PIST.
Clone:	RB13072
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	GOPC

Target Details

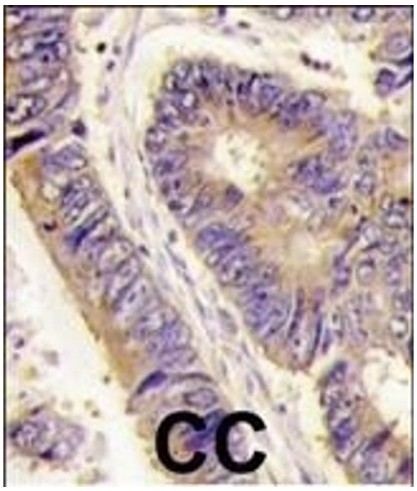
Alternative Name:	PIST (GOPC Products)
Background:	PDZ domains contain approximately 90 amino acids and bind the extreme C terminus of proteins in a sequence-specific manner. PIST, a PDZ domain-containing Golgi protein, was discovered in a yeast two-hybrid system as a binding partner to Beclin-1, a Bcl-2-interacting protein homologous to the yeast autophagy gene apg6. 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.
Molecular Weight:	50520
Gene ID:	57120
NCBI Accession:	NP_001017408, NP_065132
UniProt:	Q9HD26
Pathways:	Maintenance of Protein Location, Asymmetric Protein Localization

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

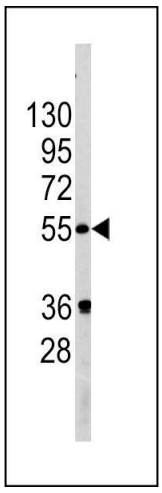
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with PIST antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of PIST Antibody (Center) (ABIN391395 and ABIN2841399) in cell line lysates (35 µg/lane). PIST (arrow) was detected using the purified Pab.