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## Datasheet for ABIN391394 **anti-GOPC antibody (C-Term)**

2 Images

1 Publication

### Overview

Quantity:	400 µL
Target:	GOPC
Binding Specificity:	AA 361-390, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
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 361-390 amino acids from the C-terminal region of human PIST.
Clone:	RB13073
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

### Target Details

Target:	GOPC
Alternative Name:	PIST ( <a href="#">GOPC Products</a> )
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

## Target Details

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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

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Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

## Handling

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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

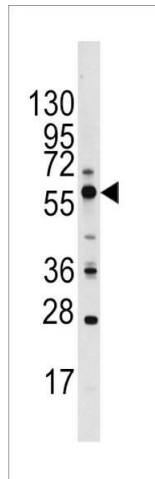
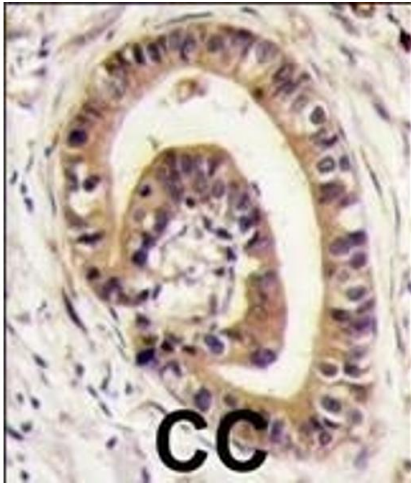
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

## Publications

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Product cited in: Sadeghi, Ullenhag, Wagenius, Tötterman, Eriksson: "Rapid expansion of T cells: Effects of culture and cryopreservation and importance of short-term cell recovery." in: **Acta oncologica (Stockholm, Sweden)**, Vol. 52, Issue 5, pp. 978-86, (2013) ([PubMed](#)).



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with PIST antibody (C-term), 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 (C-term) (ABIN391394 and ABIN2841398) in Ramos cell line lysates (35 µg/lane). PIST (arrow) was detected using the purified Pab.