

Product datasheet for **TA306263**

PIST (GOPC) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 4 ug/mL, ICC: 1 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PIST antibody was raised against a 16 amino acid peptide from near the carboxy terminus of human PIST.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	golgi-associated PDZ and coiled-coil motif containing
Database Link:	AAG00572 Entrez Gene 57120 Human Q9HD26



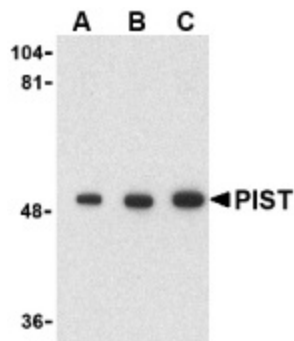
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Background:

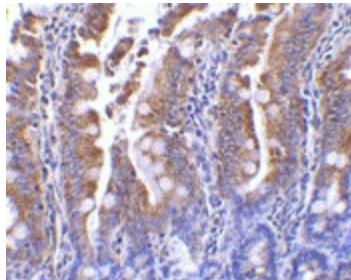
Autophagy, the process of bulk degradation of cellular proteins through an autophagosomal-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of 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:

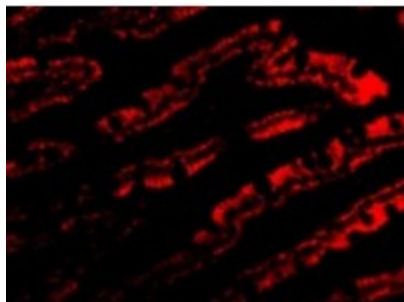
CAL; dj94G16.2; FIG; GOPC1; PIST

Product images:

Western blot analysis of PIST in rat colon cell lysate with PIST antibody at (A) 1, (B) 2 and (C) 4 ug/ml.



Immunohistochemistry of PIST in rat colon tissue with PIST antibody at 1 ug/ml.



Immunofluorescence of PIST in Rat Colon cells with PIST antibody at 10 ug/mL.