

## Rabbit PIST Polyclonal Antibody | anti-GOPC antibody

PIST Antibody

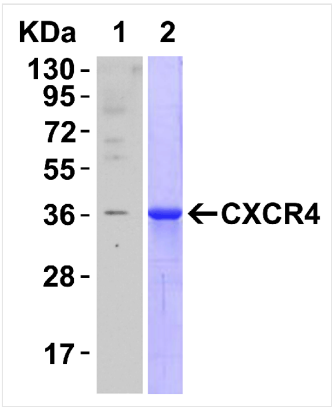
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------|
| AAA39995  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

### PRODUCT SYNONYMS

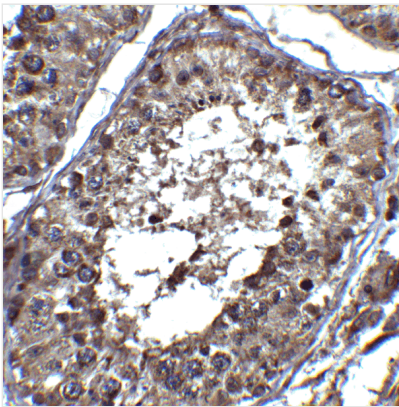
PIST; Polyclonal Antibody; PIST Antibody; CAL; FIG; GOPC1; dJ94G16.2; Golgi-associated PDZ and coiled-coil motif-containing protein; CFTR-associated ligand; golgi associated PDZ and coiled-coil motif containing; anti-GOPC antibody

### PRODUCT SPECIFICATIONS

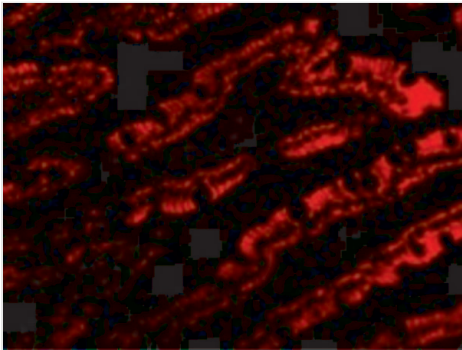
|                                                |                                                                                                                                                                                                                                                            |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                     |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                 |
| Isotype                                        | IgG                                                                                                                                                                                                                                                        |
| Purity/Purification                            | PIST Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                     |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Length                                | 462                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-GOPC antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                              |
| Conjugate                                      | Unconjugated                                                                                                                                                                                                                                               |
| Immunogen                                      | PIST antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human PIST.                                                                                                                                           |
| Buffer                                         | PIST Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                        | PIST antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |



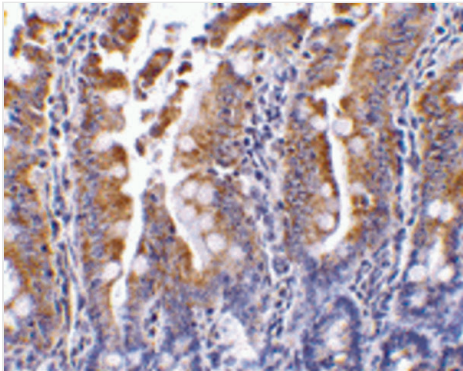
**IF (Immunofluorescence)**  
Immunofluorescence of PIST in human testis tissue with PIST antibody at 20 &#956;g/ml. Green: PIST Antibody (3631) Blue: DAPI staining



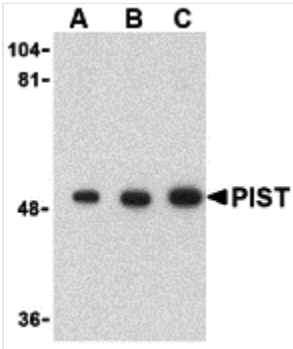
**IHC (Immunohistochemistry)**  
Immunohistochemistry of PIST in human testis tissue with PIST antibody at 2 &#956;g/ml.



**IF (Immunofluorescence)**  
Immunofluorescence of PIST in Rat Colon cells with PIST antibody at 10 &#956;g/mL.



**IHC (Immunohistochemistry)**  
Immunohistochemistry of PIST in rat colon tissue with PIST antibody at 1 &#956;g/mL.



**WB (Western Blot)**  
Western blot analysis of PIST in rat colon cell lysate with PIST antibody at (A) 1, (B) 2 and (C) 4 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GOPC antibody

PIST Antibody: Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-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 and is negatively regulated by TOR (Target of rapamycin). 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*. 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.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 9837431                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI GeneID                      | 57120                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt Accession #              | Q9HD26; Q59FS4; Q969U8; A6NM30                                                                                                                                                                                                                                                                                                                                                    |
| Molecular Weight                 | 35,130 Da                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI Official Full Name          | PIST                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | golgi-associated PDZ and coiled-coil motif containing                                                                                                                                                                                                                                                                                                                             |
| NCBI Official Symbol             | GOPC                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | CAL; FIG; PIST; GOPC1; dJ94G16.2                                                                                                                                                                                                                                                                                                                                                  |
| NCBI Protein Information         | Golgi-associated PDZ and coiled-coil motif-containing protein; dJ94G16.2 PIST; fused in glioblastoma; CFTR-associated ligand; PDZ protein interacting specifically with TC10; Golgi associated PDZ and coiled-coil motif containing protein; golgi-associated PDZ and coiled-coil motif containing protein; PDZ/coiled-coil domain binding partner for the rho-family GTPase TC10 |
| UniProt Protein Name             | Golgi-associated PDZ and coiled-coil motif-containing protein                                                                                                                                                                                                                                                                                                                     |
| UniProt Gene Name                | GOPC                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | CAL; FIG; PIST                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt Entry Name               | GOPC_HUMAN                                                                                                                                                                                                                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pist-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39995>