

Rabbit anti-Human PIST/GOPC Polyclonal Antibody | anti-GOPC antibody

Anti-PIST/GOPC Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126329	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PIST/GOPC; Polyclonal Antibody; Anti-PIST/GOPC Antibody Picoband; anti-GOPC antibody

PRODUCT SPECIFICATIONS

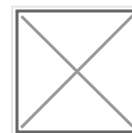
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-GOPC antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human PIST/GOPC recombinant protein (Position: M30-Y462).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 4. IF analysis of PIST/GOPC using anti-PIST/GOPC antibody (AAA126329). PIST/GOPC was detected in an immunocytochemical section of SiHa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-PIST/GOPC Antibody (AAA126329) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



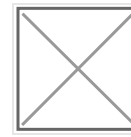
IHC (Immunohistochemistry)

Figure 3. IHC analysis of PIST/GOPC using anti-PIST/GOPC antibody (AAA126329). PIST/GOPC was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-PIST/GOPC Antibody (AAA126329) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of PIST/GOPC using anti-PIST/GOPC antibody (AAA126329). PIST/GOPC was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-PIST/GOPC Antibody (AAA126329) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of PIST/GOPC using anti-PIST/GOPC antibody (AAA126329). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human K562 whole cell lysates, Lane 2: human HEK293 whole cell lysates, Lane 3: human PC-3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PIST/GOPC antigen affinity purified polyclonal antibody (#AAA126329) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PIST/GOPC at approximately 55 kDa. The expected band size for PIST/GOPC is at 55 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GOPC antibody	Golgi-associated PDZ and coiled-coil motif-containing protein is a protein that in humans is encoded by the GOPC gene. This gene encodes a Golgi protein with a PDZ domain. The PDZ domain is globular and proteins which contain them bind other proteins through short motifs near the C-termini. Mice which are deficient in the orthologous protein have globozoospermia and are infertile. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-GOPC antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	74762751
NCBI GeneID	57120
UniProt Accession #	Q9HD26; Q59FS4; Q969U8; A6NM30
Molecular Weight	462
NCBI Official Full Name	Golgi-associated PDZ and coiled-coil motif-containing protein
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 P
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-gopc-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/126329>