

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

Anti-PIST Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258921	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA

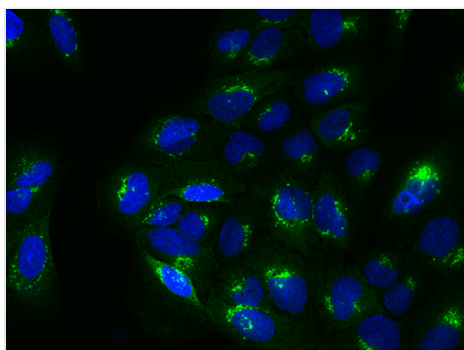
PRODUCT SYNONYMS

PIST; Polyclonal Antibody; Anti-PIST Antibody; Rabbit Polyclonal; golgi-associated PDZ and coiled-coil motif containing; Anti-CAL Antibody; Anti-dJ94G16.2 Antibody; Anti-FIG Antibody; Anti-GOPC1 Antibody; anti-PIST antibody

PRODUCT SPECIFICATIONS

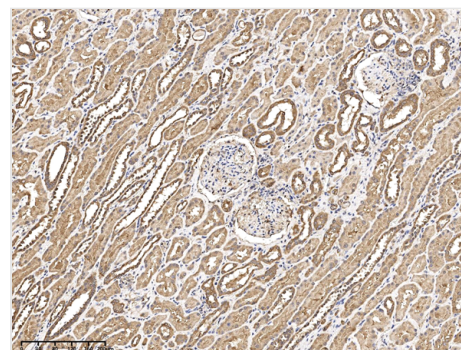
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PIST
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PIST antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human PIST Protein
Preparation	Produced in rabbits immunized with purified, recombinant Human PIST (rh PIST). PIST specific IgG was purified by Human PIST affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of His-3C-GOPC in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human His-3C-GOPC polyclonal antibody (dilution ratio 1:100) at 4° overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human PIST in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PIST antibody	GOPC, also known as PIST, interacts specifically with TC1 (a Rho-family small GTPase)] as a binding partner for Rhotekin. Rhotekin associates with PIST in vitro and both polarized and non-polarized MDCK (Madin-Darby canine kidney) cells. The C-terminal SPV (Ser-Pro-Val) motif of Rhotekin binds to the PDZ domain of PIST. The co-localization of PIST and Rhotekin at the Golgi apparatus can be detected in non-polarized fibroblast-like MDCK cells and AJs (adherens junctions) in the fully polarized cells. PIST and Rhotekin are recruited from the cytosol to AJs as the cell becomes polarized. Expression of constitutively active Rho or prevention of Rhotekin-PIST interaction induced diffuse cytoplasmic distribution of Rhotekin in polarized MDCK cells. GOPC may regulate CFTR chloride currents and acid-induced ACCN3 currents by modulating cell surface expression of both channels. It may also regulate the intracellular trafficking of the ADR1B receptor. GOPC is ubiquitously expressed and its overexpression results in CFTR intracellular retention and degradation in the lysosomes.
References	Hicks SW. et al., 2005, J Biol Chem. 280 (32): 28944-51. Ito H. et al., 2006, Biochem J Aug. 397 (3): 389-98. Amin N. et al., 2012, Mol Psychiatry. 17 (11): 1116-29.

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-immunocytochemistry-immunohistochemistry-elisa/258921>