

Anti-PIST Antibody (5T628)

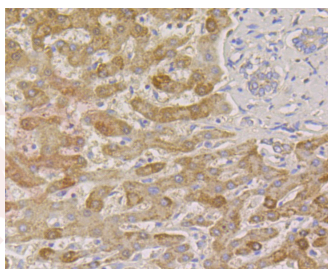
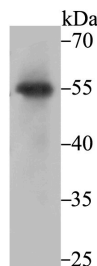
Product Details

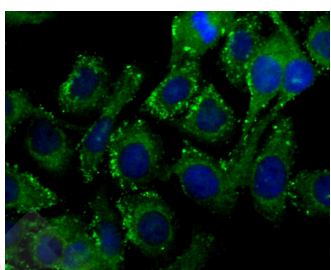
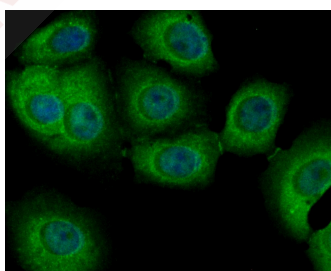
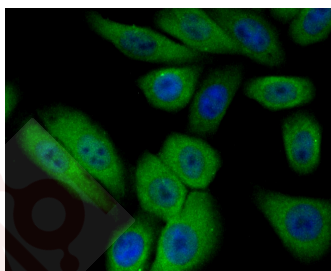
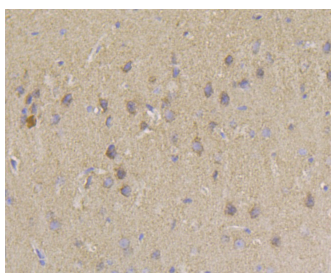
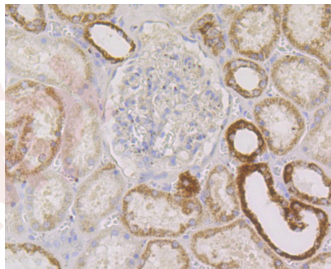
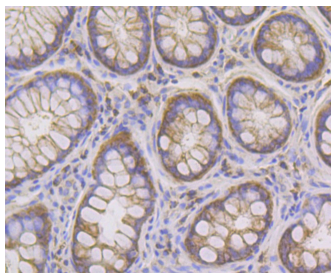
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 51 kDa.
Clone:	5T628
Purification:	ProA affinity purified

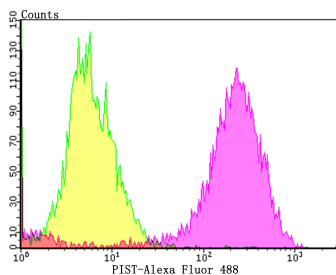
Applications

Verified Activity:

1. Western blot analysis of PIST on SiHa cell using anti-PIST antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-PIST antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-PIST antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PIST antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-PIST antibody. Counter stained with hematoxylin.
6. ICC staining PIST in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining PIST in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining PIST in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. Flow cytometric analysis of MCF-7 cells with PIST antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.







Application: FCM,ICC,IF,IHC,IP,WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50-200; IP: 1:10-50; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human PIST aa 1-100

Antigen Species: human

Uniprot ID: Q9HD26

Synonyms: FIG;CAL;GOPC1;golgi-associated PDZ and coiled-coil motif containing;dJ94G16.2;PIST

Research Background

PIST (PDZ protein interacting specifically with TC10), also known as GOPC (golgi associated PDZ and coiled-coil motif containing), CAL or FIG, is a 462 amino acid protein that localizes to the cytoplasm, as well as to the membrane of the golgi apparatus and to the cell junction. Expressed ubiquitously and containing one PDZ (DHR) domain, PIST functions as a homooligomer that interacts with a variety of proteins and plays a role in intracellular protein trafficking and degradation. Additionally, PIST is thought to regulate ionic currents via membrane channel modification and may also play a role in autophagy. Chromosomal aberrations in the gene encoding PIST are found in glioblastoma multiform (GBM), a common and aggressive form of brain tumor, suggesting a role for mutated PIST in carcinogenesis. Three isoforms of PIST exist due to alternative splicing events.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481