

PIST Rabbit mAb

Catalog No: #49928

Package Size: #49928-1 50ul #49928-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

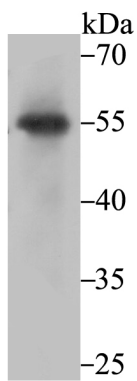
Description

Product Name	PIST Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG79-35
Purification	ProA affinity purified
Applications	WB,ICC,IF,IP,IHC,FC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein within human PIST aa 1-100.
Other Names	CAL antibody CFTR associated ligand antibody CFTR-associated ligand antibody dJ94G16.2 antibody dJ94G16.2 PIST antibody FIG antibody Fused in glioblastoma antibody Golgi associated PDZ and coiled coil motif containing antibody Golgi associated PDZ and coiled coil motif containing protein antibody Golgi-associated PDZ and coiled-coil motif-containing protein antibody GOPC 1 antibody GOPC antibody GOPC_HUMAN antibody GOPC1 antibody OTTHUMP00000040403 antibody PDZ protein interacting specifically with TC 10 antibody PDZ protein interacting specifically with TC10 antibody PDZ/coiled coil domain binding partner for the rho family GTPase TC 10 antibody PDZ/coiled coil domain binding partner for the rho family GTPase TC10 antibody PIST antibody Protein interacting specifically with Tc 10 antibody Protein interacting specifically with Tc10 antibody
Accession No.	Swiss-Prot#:Q9HD26
Uniprot	Q9HD26
GeneID	57120;
Calculated MW	51 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

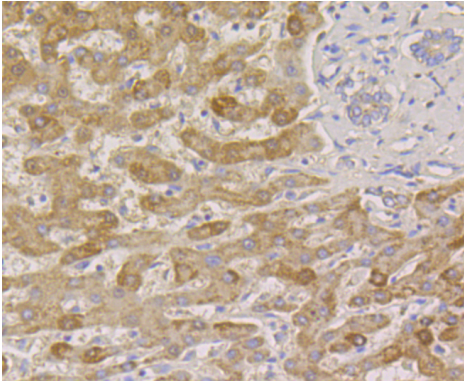
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200IP: 1:10-1:50FC: 1:50-1:100

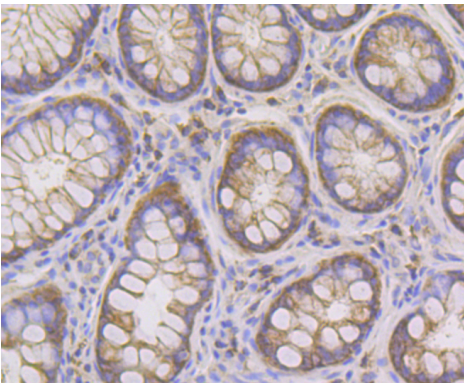
Images



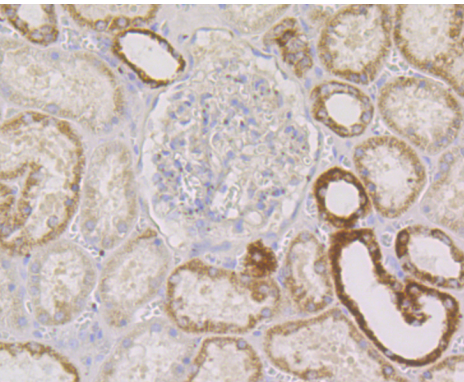
Western blot analysis of PIST on SiHa cell using anti-PIST antibody at 1/1,000 dilution.



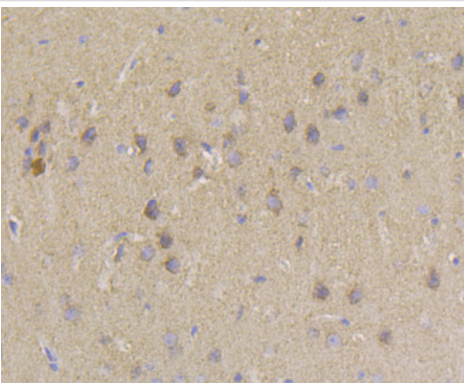
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-PIST antibody. Counter stained with hematoxylin.



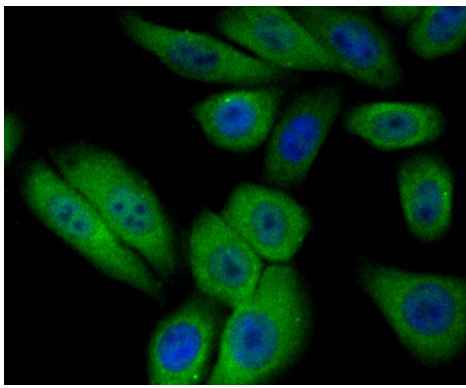
Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-PIST antibody. Counter stained with hematoxylin.



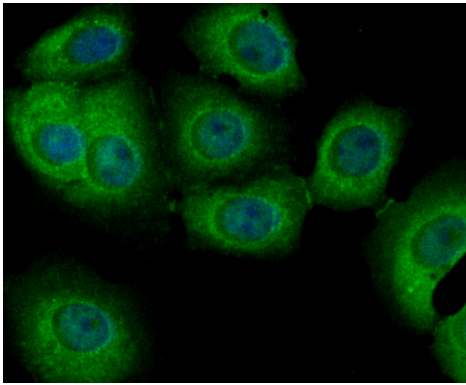
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PIST antibody. Counter stained with hematoxylin.



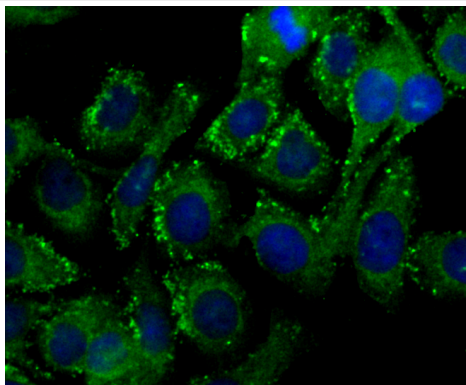
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-PIST antibody. Counter stained with hematoxylin.



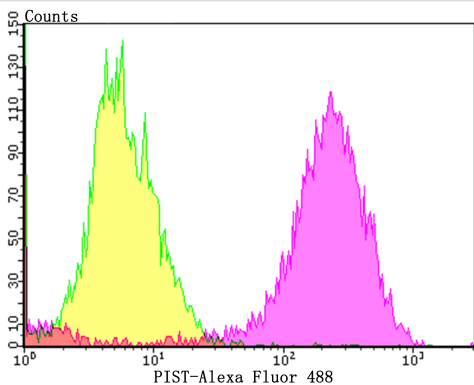
ICC staining PIST in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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.



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.



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.

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.

References

Note: This product is for in vitro research use only