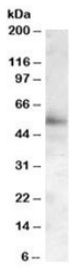
GOPC Antibody / PIST Protein Antibody (R34711)

Catalog No.	Formulation	Size
R34711-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Cow, Dog
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	57120
Applications	Western blot: 0.05-0.2ug/ml Immunofluorescence: suitable ELISA (peptide) LOD: 1:128000
Limitations	This GOPC Antibody / PIST Protein Antibody is available for research use only.



GOPC Antibody / PIST Protein Antibody Human Brain WB. Western blot analysis of human frontal cortex lysate using GOPC Antibody / PIST Protein Antibody. The sample was tested with the primary antibody at 0.05 ug/ml. A specific band is detected at approximately 51 kDa, consistent with the predicted molecular weight of GOPC/PIST. This result supports the use of GOPC Antibody / PIST Protein Antibody for studying PIST protein expression, Golgi-associated trafficking pathways and intracellular protein sorting mechanisms in human neuronal tissue.

Description

GOPC Antibody / PIST Protein Antibody detects the Golgi associated PDZ and coiled-coil motif containing protein encoded by the GOPC gene. GOPC, also known as PIST, FIG and CFTR associated ligand, is a scaffold protein involved in intracellular protein trafficking and membrane receptor regulation. The protein contains a coiled-coil region and a PDZ domain that allow interactions with multiple cellular partners, helping coordinate protein sorting, localization and transport

between intracellular compartments. GOPC is primarily associated with the Golgi apparatus and participates in pathways controlling vesicle movement and protein distribution.

GOPC functions as an adaptor protein that influences the trafficking and stability of several membrane-associated targets. Its interaction with proteins such as CFTR has been widely studied in relation to intracellular retention, degradation and cell surface expression. GOPC also contributes to the regulation of receptor transport and signaling pathways by controlling protein localization within the cell. A GOPC Antibody / PIST Protein Antibody is useful for examining these processes in studies focused on Golgi biology, vesicular trafficking and PDZ domain mediated protein interactions.

The GOPC protein is also recognized for its relevance in cancer research. Chromosomal rearrangements involving GOPC have been associated with fusion proteins, including the GOPC-ROS1 fusion originally identified in glioblastoma. These alterations may contribute to abnormal receptor tyrosine kinase signaling and changes in cellular growth regulation. In addition to its cancer-related roles, GOPC remains an important protein for understanding normal Golgi organization, intracellular transport networks and mechanisms controlling receptor availability.

NSJ Bioreagents offers GOPC Antibody / PIST Protein Antibody products for researchers investigating Golgi-associated proteins, intracellular trafficking pathways and protein sorting mechanisms. These antibodies support applications such as Western blot, immunohistochemistry, immunofluorescence and flow cytometry analysis of GOPC expression and localization. GOPC Antibody / PIST Protein Antibody provides a valuable tool for studies of PIST protein function, membrane trafficking regulation and cellular signaling pathways.

Researchers studying GOPC function, vesicle transport and protein sorting pathways may also be interested in our PIST Antibody / Golgi Trafficking Protein Antibody page, which highlights Golgi trafficking protein regulation and intracellular membrane organization.

Application Notes

Optimal dilution of the GOPC Antibody / PIST Protein Antibody should be determined by the researcher.

Immunogen

Amino acids LDDLHTLYHKKSY were used as the immunogen for this PIST / GOPC antibody.

Storage

Aliquot and store the PIST / GOPC antibody at -20oC.

Alternate Names

PIST antibody, FIG antibody, CAL antibody, GOPC1 antibody, Golgi Associated PDZ and Coiled-Coil Motif Containing Protein antibody, PDZ Domain Protein Interacting Specifically With TC10 antibody, CFTR Associated Ligand antibody

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