For Research Use Only

SWAP70 Polyclonal antibody

Catalog Number:31042-1-AP

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
31042-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34855

GenBank Accession Number:
BC000616

GeneID (NCBI):
23075

UNIPROT ID:
Q9UH65

Full Name:
SWAP-70 protein

Calculated MW:
69 kDa

Observed MW:
65-70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:12000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse

Positive Controls:

WB : HeLa cells, HepG2 cells, NIH/3T3 cells

Background Information

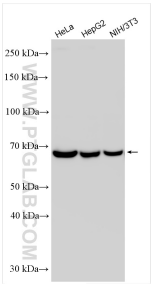
SWAP70 (switching B cell complex subunit), also known as HSPC321. It is expected to be located in cell membrane, cytoplasm and nucleus, the protein is mainly expressed in spleen, and fairly abundant in kidney, lung and liver. Also found in monocytes, macrophages and mature B-cells (PMID: 10681448). The calculated molecular weight of SWAP70 is 69 kDa. SWAP-70 is a component of an enzyme complex that recombines Ig switch regions in vitro. It is reported that the cloning of the human cDNA and its B lymphocyte-specific expression. Although its sequence contains three nuclear localization signals, in small resting B cells, SWAP-70 is mainly found in the cytoplasm. On stimulation, SWAP-70 translocates to the nucleus. In activated, class-switching B cell cultures, it is associated with membrane IgG, but not IgM. The membrane Ig association requires a functional pleckstrin homology domain and is controlled by the C terminus. It is suggested that SWAP-70 is involved not only in nuclear events but also in signaling in B cell activation (PMID: 10681448).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31042-1-AP (SWAP70 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.