

For Research Use Only

SWAP70 Polyclonal antibody

Catalog Number: 31042-1-AP



Basic Information

Catalog Number: 31042-1-AP	GenBank Accession Number: BC000616	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 23075	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: Q9UH65	
Isotype: IgG	Full Name: SWAP-70 protein	
Immunogen Catalog Number: AG34855	Calculated MW: 69 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, NIH/3T3 cells
Species Specificity: Human, mouse	

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

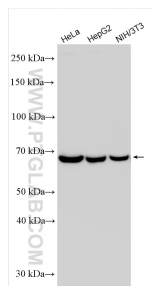
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.