

For Research Use Only

UHRF1BP1 Polyclonal antibody

Catalog Number: 24345-1-AP



Basic Information

Catalog Number: 24345-1-AP	GenBank Accession Number: BC137120	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop;	GeneID (NCBI): 54887	Recommended Dilutions: WB: 1:2000-1:10000
Source: Rabbit	UNIPROT ID: Q6BDS2	
Isotype: IgG	Full Name: UHRF1 binding protein 1	
Immunogen Catalog Number: AG19677	Calculated MW: 1440 aa, 159 kDa	
	Observed MW: 160-170 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, PC-3 cells
Species Specificity: human	

Background Information

Bridge-like lipid transfer protein family member 3A (BLTP3A), also known as UHRF1BP1, is a conserved protein characterized by six repeating beta-groove modules that form a hydrophobic groove for bulk lipid transfer between membranes. It localizes to VAMP7-positive vesicles and anchors them to LAMP1-positive lysosomes via its chorein domain and Rab7 interaction. Upon lysosomal membrane damage, BLTP3A rapidly dissociates and is re-recruited through its LIR motif binding to mATG8 proteins via the CASM pathway. This dynamic behavior suggests BLTP3A delivers lipids to aid in lysosomal repair (PMID: 40935891). Beyond its cellular function, BLTP3A has been identified as a genetic risk factor for systemic lupus erythematosus.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

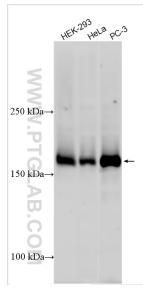
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24345-1-AP (UHRF1BP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.