

For Research Use Only

# UHRF1BP1 Polyclonal antibody

Catalog Number: 24345-1-AP



## Basic Information

<b>Catalog Number:</b> 24345-1-AP	<b>GenBank Accession Number:</b> BC137120	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 54887	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q6BDS2	
<b>Immunogen Catalog Number:</b> AG19677	<b>Full Name:</b> UHRF1 binding protein 1	
	<b>Calculated MW:</b> 1440 aa, 159 kDa	
	<b>Observed MW:</b> 160-170 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells, PC-3 cells
<b>Species Specificity:</b> 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**

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

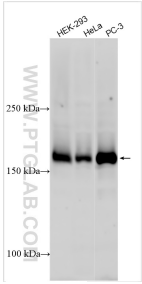
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# Selected Validation Data



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.