

For Research Use Only

# UBA3 Monoclonal antibody

Catalog Number: 68067-1-Ig **1 Publications**



## Basic Information

Catalog Number: 68067-1-Ig	GenBank Accession Number: BC022853	Purification Method: Protein G purification
Concentration: 1000 µg/ml	GeneID (NCBI): 9039	CloneNo.: 1C10D8
Source: Mouse	UNIPROT ID: Q8TBC4	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: ubiquitin-like modifier activating enzyme 3	
Immunogen Catalog Number: AG31051	Calculated MW: 463 aa, 52 kDa	
	Observed MW: 49 kDa	

## Applications

Tested Applications: WB, ELISA	Positive Controls: WB : LNCaP cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	

## Background Information

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fuchuang Qin	39476129	Funct Integr Genomics	WB

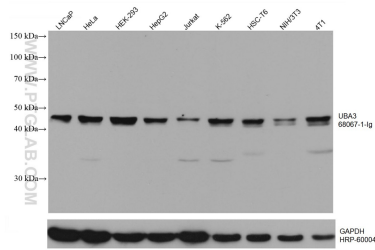
## Storage

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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68067-1-Ig (UBA3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.