

For Research Use Only

# UBA3 Monoclonal antibody, PBS Only



Catalog Number: 68067-1-PBS

## Basic Information

Catalog Number:

68067-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG31051

GenBank Accession Number:

BC022853

GeneID (NCBI):

9039

UNIPROT ID:

Q8TBC4

Full Name:

ubiquitin-like modifier activating enzyme 3

Calculated MW:

463 aa, 52 kDa

Observed MW:

49 kDa

Purification Method:

Protein G purification

CloneNo.:

1C10D8

## Applications

Tested Applications:

WB, Indirect ELISA

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.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

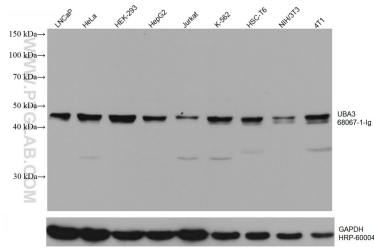
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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. This data was developed using the same antibody clone with 68067-1-PBS in a different storage buffer formulation.