

For Research Use Only

# UBA3 Monoclonal antibody, PBS Only



Catalog Number: 68067-1-PBS

## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>68067-1-PBS                       | <b>GenBank Accession Number:</b><br>BC022853                     | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>9039                                    | <b>CloneNo.:</b><br>1C10D8                            |
| <b>Source:</b><br>Mouse                                     | <b>UNIPROT ID:</b><br>Q8TBC4                                     |   |
| <b>Isotype:</b><br>IgG1                                     | <b>Full Name:</b><br>ubiquitin-like modifier activating enzyme 3 |   |
| <b>Immunogen Catalog Number:</b><br>AG31051                 | <b>Calculated MW:</b><br>463 aa, 52 kDa                          |   |
|   | <b>Observed MW:</b><br>49 kDa                                    |   |

## 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.

**Storage Buffer:**  
PBS Only

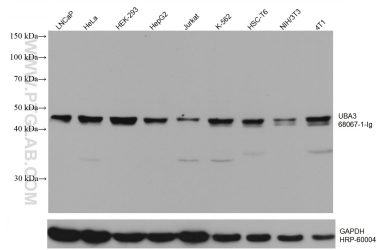
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## Selected Validation Data



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