UBA3 Monoclonal antibody

Catalog Number:68067-1-Ig

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Basic Information

Catalog Number: 68067-1-Ig	**GenBank Accession Number:** BC022853	**Purification Method:** Protein G purification
Size: 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

Species Specificity:
Human, Mouse, Rat

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

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.
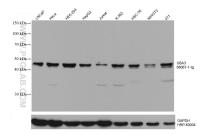
Storage

Storage:
Store at -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

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.