

# UBA3 Polyclonal antibody

Catalog Number: 13857-1-AP

## Basic Information

**Catalog Number:**

13857-1-AP

**Size:**

900 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4831

**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:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:9000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse brain tissue,

## 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:**

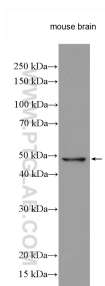
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Mouse brain tissue were subjected to SDS PAGE followed by western blot with 13857-1-AP (UBA3 antibody) at dilution of 1:4500 incubated at room temperature for 1.5 hours.