

CoraLite® Plus 488-conjugated UBA3 Monoclonal antibody

Catalog Number: **CL488-68067**

Basic Information

Catalog Number:

CL488-68067

Size:

1000 µg/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

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

