

For Research Use Only

# CoraLite® Plus 488-conjugated UBA3 Monoclonal antibody



Catalog Number: **CL488-68067**

## Basic Information

<b>Catalog Number:</b> CL488-68067	<b>GenBank Accession Number:</b> BC022853	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9039	<b>CloneNo.:</b> 1C10D8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8TBC4	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Full Name:</b> ubiquitin-like modifier activating enzyme 3	
<b>Immunogen Catalog Number:</b> AG31051	<b>Calculated MW:</b> 463 aa, 52 kDa	
	<b>Observed MW:</b> 49 kDa	

## 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

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