


Product datasheet

Anti-E3 ubiquitin-protein ligase MUL1 antibody ab155511

[2 Images](#)

Overview

Product name	Anti-E3 ubiquitin-protein ligase MUL1 antibody
Description	Rabbit polyclonal to E3 ubiquitin-protein ligase MUL1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to a region within amino acids 1-352 of Human E3 ubiquitin-protein ligase MUL1 (UniProt Q969V5).
Positive control	293T, A431 and Raji cell lysates; A431 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab155511 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 40 kDa.
ICC/IF		1/100 - 1/1000.

Target

Function

Exhibits weak E3 ubiquitin-protein ligase activity, but preferentially acts as a SUMO E3 ligase at physiological concentrations. Plays a role in the control of mitochondrial morphology. Promotes mitochondrial fragmentation and influences mitochondrial localization. Inhibits cell growth. When overexpressed, activates JNK through MAP3K7/TAK1 and induces caspase-dependent apoptosis. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.

Tissue specificity

Widely expressed with highest levels in the heart, skeletal muscle, placenta, kidney and liver. Barely detectable in colon and thymus.

Pathway

Protein modification; protein ubiquitination.
Protein modification; protein sumoylation.

Sequence similarities

Contains 1 RING-type zinc finger.

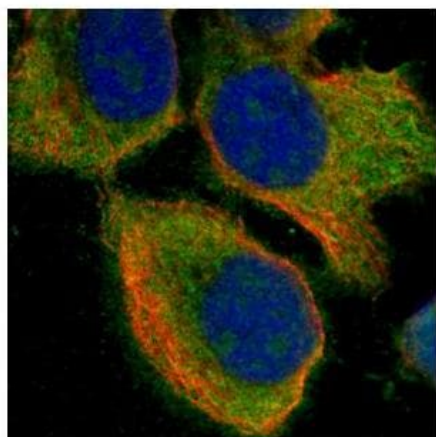
Domain

The zinc finger domain is required for E3 ligase activity.

Cellular localization

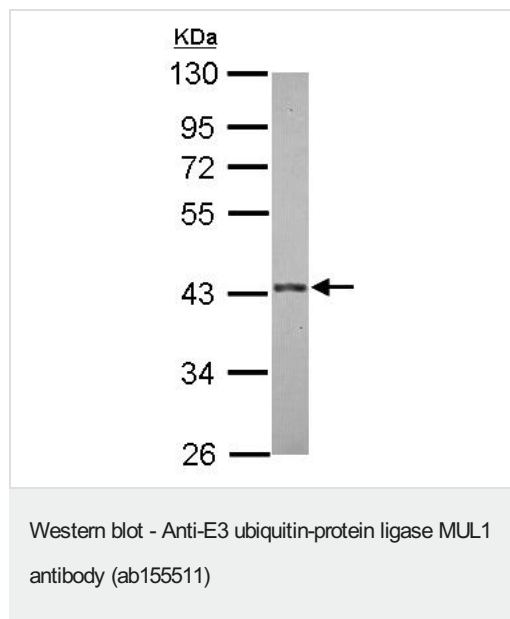
Mitochondrion outer membrane. Peroxisome. Transported in mitochondrion-derived vesicles from the mitochondrion to the peroxisome.

Images



Confocal immunofluorescent analysis of methanol-fixed A431 cells labeling E3 ubiquitin-protein ligase MUL1 with ab155511 at 1/500 dilution (Green). Alpha-tubulin filaments are labeled red.

Immunocytochemistry/ Immunofluorescence - Anti-E3 ubiquitin-protein ligase MUL1 antibody (ab155511)



Anti-E3 ubiquitin-protein ligase MUL1 antibody (ab155511) at
1/2000 dilution + A431 whole cell lysate at 30 µg

Predicted band size: 40 kDa

10% SDS PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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