

Anti-TRIM37/MUL antibody ab264190

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Overview

Product name	Anti-TRIM37/MUL antibody
Description	Rabbit polyclonal to TRIM37/MUL
Host species	Rabbit
Tested applications	Suitable for: IP, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human TRIM37/MUL aa 914-964. The exact sequence is proprietary. Database link: O94972
Positive control	WB: HeLa and HEK-293T cell lysate. IP: HeLa cell lysate.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab264190 in the following tested applications.

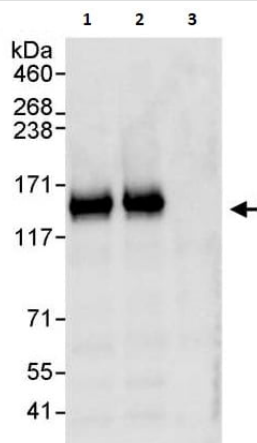
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use a concentration of 2 - 5 µg/ml.
WB		1/2000 - 1/10000.

Target

Function	E3 ubiquitin-protein ligase.
Tissue specificity	Ubiquitous.
Pathway	Protein modification; protein ubiquitination.
Involvement in disease	Defects in TRIM37 are the cause of mulibrey nanism (MUL) [MIM:253250]; also known as muscle-liver-brain-eye nanism. MUL is an autosomal recessive disorder that involves several tissues of mesodermal origin, implying a defect in a highly pleiotropic gene. Characteristic features include severe growth failure of prenatal onset and constrictive pericardium with consequent hepatomegaly. In addition, muscle hypotonia, J-shaped sella turcica, yellowish dots in the ocular fundi, typical dysmorphic features and hypoplasia of various endocrine glands causing hormonal deficiency are common.
Sequence similarities	Belongs to the TRIM/RBCC family. Contains 1 B box-type zinc finger. Contains 1 MATH domain. Contains 1 RING-type zinc finger.
Post-translational modifications	Auto-ubiquitinated.
Cellular localization	Cytoplasm > perinuclear region. Peroxisome. Found in vesicles of the peroxisome. Aggregates as aggresomes, a perinuclear region where certain misfolded or aggregated proteins are sequestered for proteasomal degradation.

Images



Immunoprecipitation - Anti-TRIM37/MUL antibody
(ab264190)

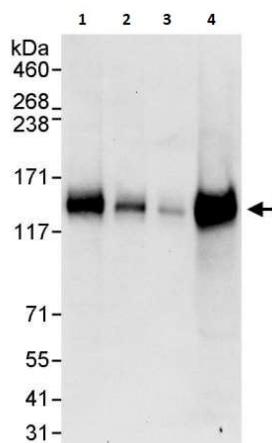
TRIM37/MUL was immunoprecipitated from 1 mg HeLa whole cell lysate using **ab2641890** at 3 µg/mg lysate. ab264190 was then used for western blotting at 1 µg/ml.

Lane 1: **ab264189** IP in HeLa whole cell lysate.

Lane 2: ab264190 IP in HeLa whole cell lysate.

Lane 3: Control IgG.

Detection: Chemiluminescence with an exposure time of 1 second.



Western blot - Anti-TRIM37/MUL antibody
(ab264190)

All lanes : Anti-TRIM37/MUL antibody (ab264190) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : HEK-293T whole cell lysate at 50 µg

Developed using the ECL technique.

Exposure time: 10 seconds

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

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