

Product datasheet

Anti-TRAP220/MED1 antibody ab64965

★★★★★ [6 Abreviews](#) [25 References](#) [4 Images](#)

Overview

Product name	Anti-TRAP220/MED1 antibody
Description	Rabbit polyclonal to TRAP220/MED1
Host species	Rabbit
Tested applications	Suitable for: ELISA, IP, IHC-P, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide derived from internal region of human TRAP220/MED1
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 -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab64965 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
ELISA		Use at an assay dependent concentration.
IP	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
WB	★★★★★ (2)	1/500 - 1/1000. Detects a band of approximately 170 kDa (predicted molecular weight: 180 kDa).

Target

Function

Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors.

Tissue specificity

Ubiquitously expressed.

Sequence similarities

Belongs to the Mediator complex subunit 1 family.

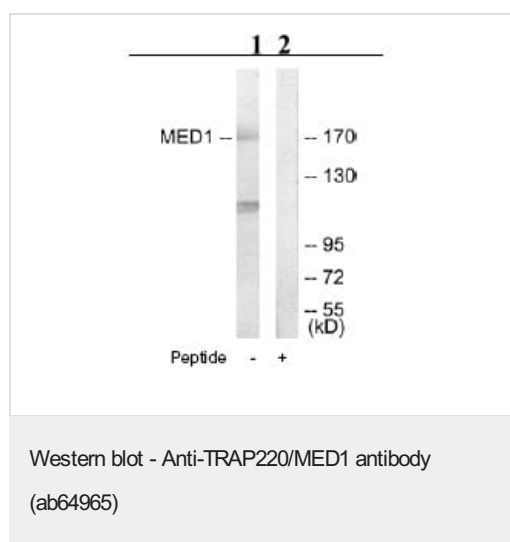
Post-translational modifications

Phosphorylated by MAPK1 or MAPK3 during G2/M phase which may enhance protein stability and promote entry into the nucleolus. Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Nucleus. A subset of the protein may enter the nucleolus subsequent to phosphorylation by MAPK1 or MAPK3.

Images



All lanes : Anti-TRAP220/MED1 antibody (ab64965) at 1/500 dilution

Lane 1 : extracts from Jurkat cells, without immunising peptide

Lane 2 : extracts from Jurkat cells, with immunising peptide

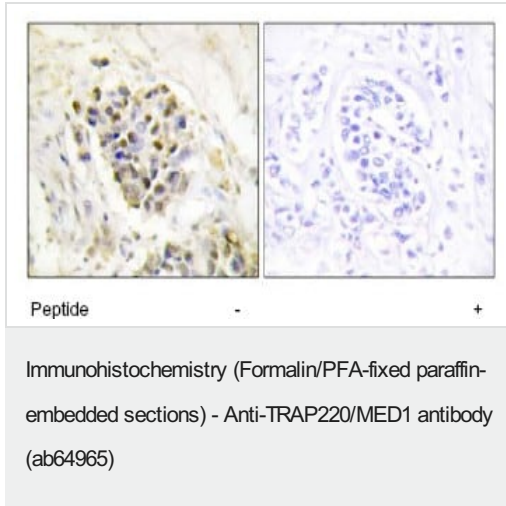
Predicted band size: 180 kDa

Observed band size: 170 kDa

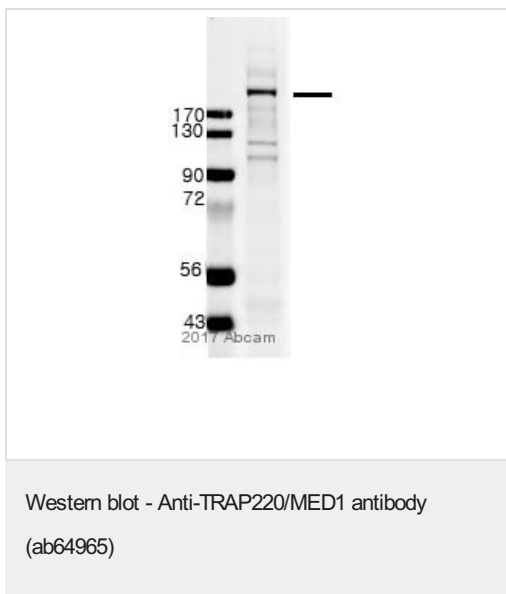
Additional bands at: 110 kDa. We are unsure as to the identity of these extra bands.

The amount of positive control loading for the WB is 5-30 ug of total

protein. The amount of the peptide for the WB is 5-10 ug.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using 1/50 ab64965, after antigen retrieval by boiling in a pressure cooker for 2-3 min. Polymer system was used for signal enhancing and DAB staining was performed for visualising the signal.



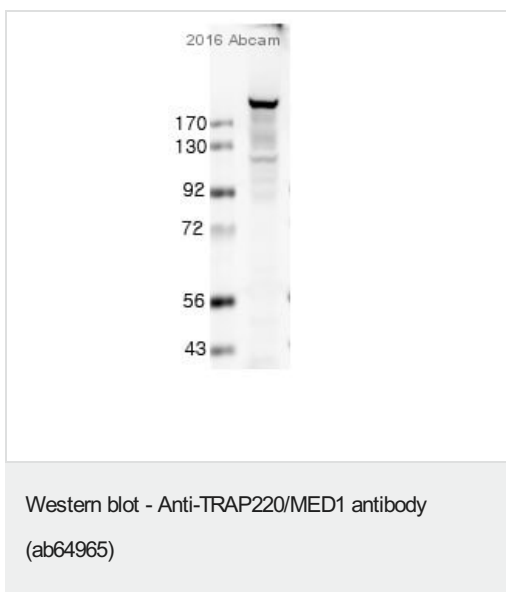
Anti-TRAP220/MED1 antibody (ab64965) at 1/1000 dilution + MEF (Mouse embryonic fibroblast cell line) whole cell lysate at 20 μ g

Secondary

Alexa Fluor 680 anti-Rabbit antibody at 1/5000 dilution

Predicted band size: 180 kDa

Exposure time: 10 minutes



Anti-TRAP220/MED1 antibody (ab64965) at 1/1000 dilution + U-2 OS (human bone osteosarcoma epithelial cell line) whole cell lysate at 50 μ g

Secondary

Alexa Fluor 680 anti-Rabbit

Predicted band size: 180 kDa

Exposure time: 10 minutes.

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