abcam

Product datasheet

Anti-TRAP220/MED1 (phospho T1457) antibody [EPR13269] - BSA and Azide free ab250350

Recombinant RabMAb

5 Images

Overview

Product name	Anti-TRAP220/MED1 (phospho T1457) antibody [EPR13269] - BSA and Azide free
Description	Rabbit monoclonal [EPR13269] to TRAP220/MED1 (phospho T1457) - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, Dot blot, WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab250350 is the carrier-free version of **ab181103**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR13269
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250350 in the following tested applications.

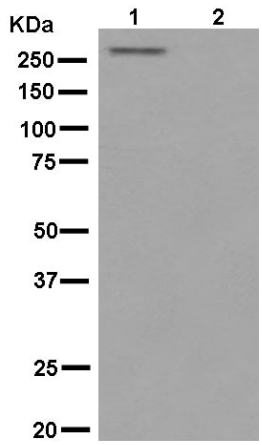
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Dot blot		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 168 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



Western blot - Anti-TRAP220/MED1 (phospho T1457) antibody [EPR13269] - BSA and Azide free (ab250350)

All lanes : Anti-TRAP220/MED1 (phospho T1457) antibody [EPR13269] (**ab181103**) at 1/10000 dilution

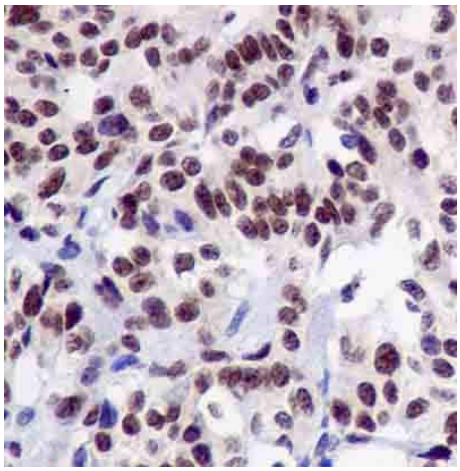
Lane 1 : HeLa cell lysate
Lane 2 : HeLa cell lysate treated with Lambda Phosphatase

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

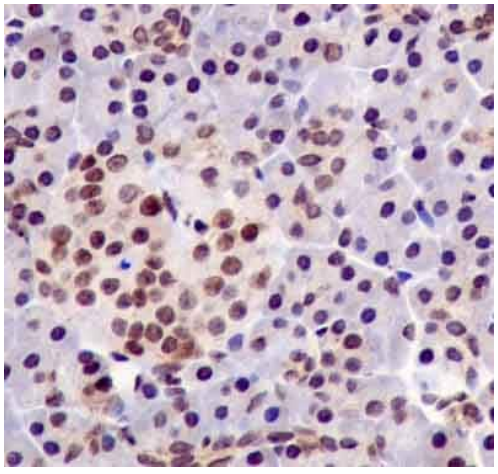
Predicted band size: 168 kDa

This data was developed using **ab181103**, the same antibody clone in a different buffer formulation.



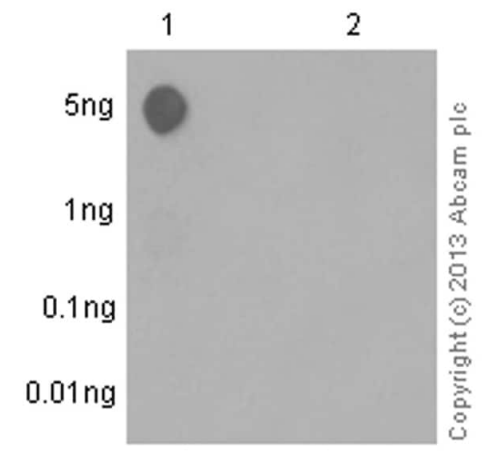
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRAP220/MED1 (phospho T1457) antibody [EPR13269] - BSA and Azide free (ab250350)

This data was developed using **ab181103**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded sections of Human thyroid gland carcinoma tissue labeling TRAP220/MED1 (phospho T1457) using **ab181103** at a 1/250 dilution, followed by a HRP Polymer for Rabbit IgG secondary antibody and counterstained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



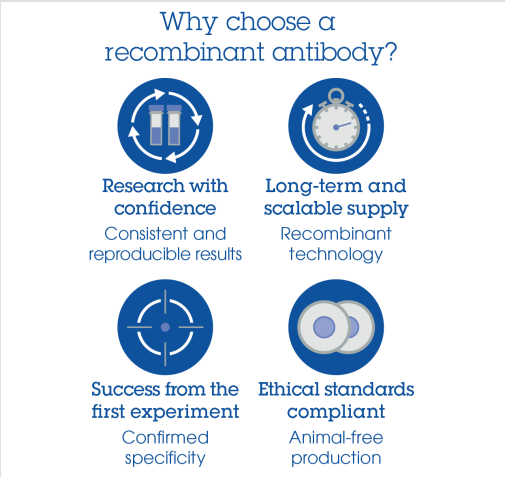
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRAP220/MED1 (phospho T1457) antibody [EPR13269] - BSA and Azide free (ab250350)

This data was developed using **ab181103**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded sections of Human pancreas tissue labeling TRAP220/MED1 (phospho T1457) using **ab181103** at a 1/250 dilution, followed by a HRP Polymer for Rabbit IgG secondary antibody and counterstained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Dot Blot - Anti-TRAP220/MED1 (phospho T1457) antibody [EPR13269] - BSA and Azide free (ab250350)

This data was developed using **ab181103**, the same antibody clone in a different buffer formulation.Dot blot analysis of TRAP220/MED1 (pT1457) peptide (Lane 1), TRAP220/MED1 non-phospho peptide (Lane 2) labelling TRAP220/MED1 (pT1457) with **ab181103** at a dilution of 1/1000. A Peroxidase-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody at a dilution of 1/2500. Blocking and dilution buffer: 5% NFDM/TBST. Exposure time: 10 seconds.



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