

Product datasheet

Anti-MNAT1 antibody [EPR10940] ab169546

Recombinant RabMAb

3 Images

Overview

Product name	Anti-MNAT1 antibody [EPR10940]
Description	Rabbit monoclonal [EPR10940] to MNAT1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IP Unsuitable for: Flow Cyt or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment corresponding to residues in Human MNAT1 (UniProt P51948).
Positive control	HeLa, A431, 293T and HepG2 cell lysates; HepG2 cells; Immunoprecipitation pellet from HeLa cell lysate.

General notes

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

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 long term.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR10940
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab169546** 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		1/1000 - 1/5000. Predicted molecular weight: 36 kDa.
ICC/IF		1/100 - 1/250.
IP		1/10 - 1/100.

Application notes Is unsuitable for Flow Cyt or IHC-P.

Target

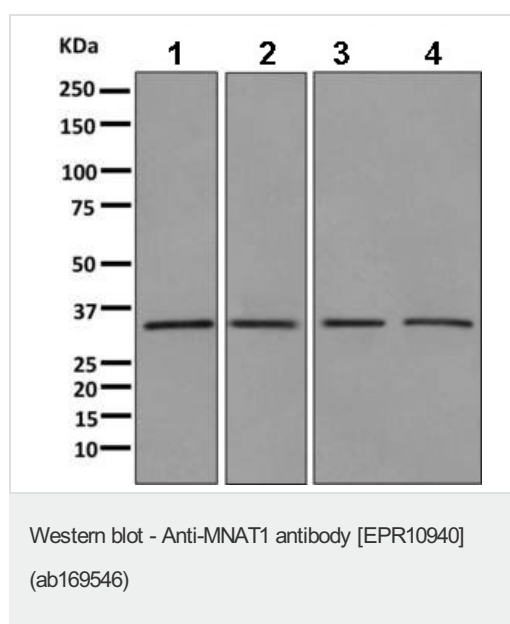
Function Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIF basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminus domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II.

Tissue specificity Highest levels in colon and testis. Moderate levels are present thymus, prostate, ovary, and small intestine. The lowest levels are found in spleen and leukocytes.

Sequence similarities Contains 1 RING-type zinc finger.
Contains 1 UIM (ubiquitin-interacting motif) repeat.

Cellular localization Nucleus.

Images



All lanes : Anti-MNAT1 antibody [EPR10940] (ab169546) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : A431 cell lysate

Lane 3 : 293T cell lysate

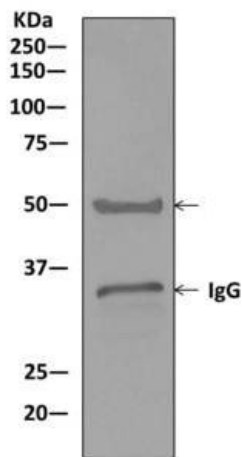
Lane 4 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labeled goat anti-rabbit at 1/2000 dilution

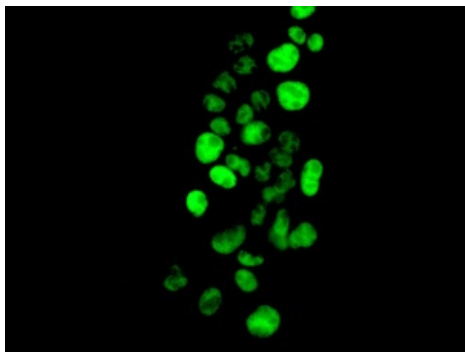
Predicted band size: 36 kDa



Western blot - Anti-MNAT1 antibody [EPR10940]
(ab169546)

Anti-MNAT1 antibody [EPR10940] (ab169546) at 1/1000 dilution + immunoprecipitation pellet from HeLa cell lysate

Predicted band size: 36 kDa



Immunocytochemistry/ Immunofluorescence - Anti-MNAT1 antibody [EPR10940] (ab169546)

Immunofluorescent analysis of HepG2 cells labeling MNAT1 with ab169546 at 1/100 dilution.

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