

Anti-MNAT1 Antibody
Rabbit polyclonal antibody to MNAT1
Catalog # AP59625**Specification**

Anti-MNAT1 Antibody - Product Information

Application	WB, IH
Primary Accession	P51948
Other Accession	P51949
Reactivity	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35823

Anti-MNAT1 Antibody - Additional Information**Gene ID** 4331**Other Names**

CAP35; MAT1; RNF66; CDK-activating kinase assembly factor MAT1; CDK7/cyclin-H assembly factor; Cyclin-G1-interacting protein; Menage a trois; RING finger protein 66; RING finger protein MAT1; p35; p36

Target/Specificity

Recognizes endogenous levels of MNAT1 protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IP (1/10 - 1/100)
IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IP (1/10 - 1/100)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-MNAT1 Antibody - Protein Information**Name** MNAT1**Synonyms** CAP35, MAT1, RNF66**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-TFIH basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal 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.

Cellular Location

Nucleus.

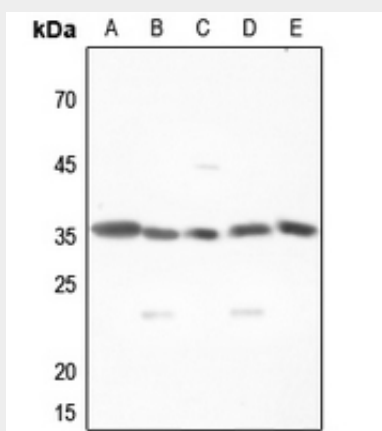
Tissue Location

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

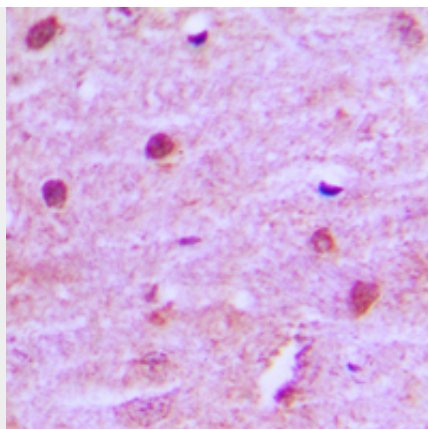
Anti-MNAT1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-MNAT1 Antibody - Images

Western blot analysis of MNAT1 expression in HEK293T (A), Hela (B), mouse testis (C), mouse lung (D), rat lung (E) whole cell lysates.



Immunohistochemical analysis of MNAT1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-MNAT1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MNAT1. The exact sequence is proprietary.