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Anti-MNAT1 Antibody

Rabbit polyclonal antibody to MNAT1
Catalog # AP59625

Product Information

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

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	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MNAT1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100) IP~~N/A IHC~~WB (1/500 - 1/1000), IHC (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

Protein Information

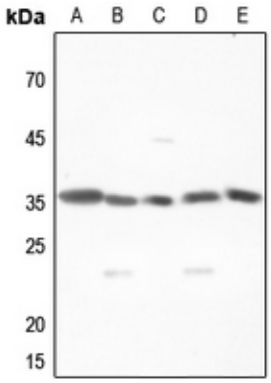
Name	MNAT1
Synonyms	CAP35, MAT1, RNF66
Function	Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIH basal transcription 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

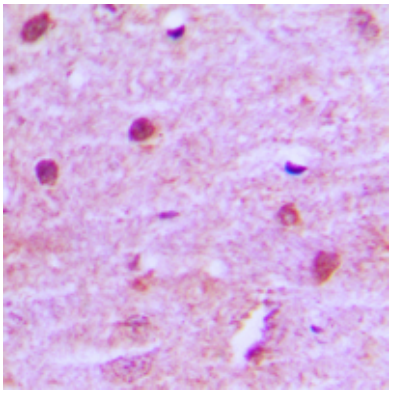
Background

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

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.