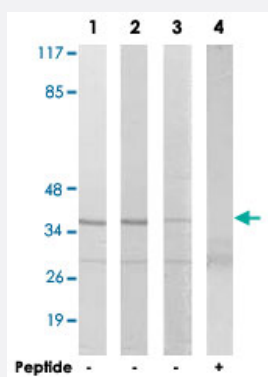


MNAT1 polyclonal antibody

Catalog # PAB17369 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells (Lane 1), HepG2 cells (Lane 2) and 293 cells (Lane 3 and lane 4), using MNAT1 polyclonal antibody (Cat # PAB17369).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MNAT1.
Immunogen	A synthetic peptide corresponding to internal of human MNAT1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total MNAT1 protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells (Lane 1), HepG2 cells (Lane 2) and 293 cells (Lane 3 and lane 4), using MNAT1 polyclonal antibody (Cat # PAB17369).

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Gene Info — MNAT1

Entrez GeneID	4331
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Protein Accession#	P51948
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Gene Name	MNAT1
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Gene Alias	MAT1, RNF66, TFB3
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Gene Description	menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis)
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Omim ID	602659
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Gene Ontology	Hyperlink
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Gene Summary	Cyclin-dependent kinases (CDKs), which play an essential role in cell cycle control of eukaryotic cells, are phosphorylated and thus activated by the CDK-activating kinase (CAK). CAK is a multisubunit protein that includes CDK7 (MIM 601955), cyclin H (CCNH; MIM 601953), and MAT1. MAT1 (for 'menage a trois-1') is involved in the assembly of the CAK complex.[supplied by OMIM]
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Other Designations	cyclin G1 interacting protein cyclin H assembly factor menage a trois 1 (CAK assembly factor)
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Publication Reference

- [Reconstitution of the transcription factor TFIIH: assignment of functions for the three enzymatic subunits, XPB, XPD, and cdk7.](#)

Tirode F, Busso D, Coin F, Egly JM.

Molecular Cell 1999 Jan; 3(1):87.

Application: KA, WB-Re, Recombinant protein

- [Molecular cloning of CDK7-associated human MAT1, a cyclin-dependent kinase-activating kinase \(CAK\) assembly factor.](#)

Yee A, Nichols MA, Wu L, Hall FL, Kobayashi R, Xiong Y.

Cancer Research 1995 Dec; 55(24):6058.

- [In vitro assembly of a functional human CDK7-cyclin H complex requires MAT1, a novel 36 kDa RING finger protein.](#)

Tassan JP, Jaquenoud M, Fry AM, Frutiger S, Hughes GJ, Nigg EA.

The EMBO Journal 1995 Nov; 14(22):5608.

Application: IF, WB, Human, HeLa cells

Pathway

- [Nucleotide excision repair](#)

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)