Datasheet for ABIN2780425

anti-MNAT1 antibody (C-Term)

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1 Image

Overview

Quantity:	100 µL
Target:	MNAT1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MNAT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human MNAT1
Sequence:	LQIETYGPHV PELEMLGRLG YLNHVRAASP QDLAGGYTSS LACHRALQDA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against MNAT1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	MNAT1

Target Details

Alternative Name:	MNAT1 (MNAT1 Products)
Background:	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, cyclin H, and MAT1. MAT1 (for 'menage a trois-1') is involved in the assembly of the CAK complex.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]. Alias Symbols: MAT1, TFB3, CAP35, RNF66 Protein Interaction Partner: RPA3, RPA2, RPA1, CDK7, CDK2, MBP, CTD, CCNH, NGFRAP1, UBC, NKX3-1, USP2, SUPT5H, POLR2A, GTF2H4, GTF2H3, GTF2H1, ERCC2, tat, TRIM39, TRIM34, TRIM17, TRIM2, ICK, TRIM31, RNF41, RNF7, TRIM26, MKRN3, TRIM21, MDM4, BRCA1, TRIML1, RNF32, TRIM9, TRIM5, XBP1P1, Protein Size: 309
Molecular Weight:	36 kDa
Gene ID:	4331
NCBI Accession:	NM_002431, NP_002422
UniProt:	P51948
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases, M Phase

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 309 AA
Restrictions:	For Research Use only

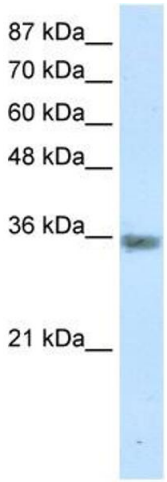
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-MNAT1 Antibody Titration: 1.25ug/ml Positive Control: Jurkat cell lysate MNAT1 is supported by BioGPS gene expression data to be expressed in Jurkat