Datasheet for ABIN2792694

anti-MNAT1 antibody (N-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	MNAT1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Zebrafish (Danio rerio)
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 N terminal region of human MNAT1
Sequence:	DDQGCPRCKT TKYRNPSLKL MVNVCGHTLC ESCVDLLFVR GAGNCPECGT
Cross-Reactivity:	Cow (Bovine), Dog (Canine), Chicken, Fruit Fly (Drosophila melanogaster), Human, Mouse (Murine), Pig (Porcine), Rat (Rattus)
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against MNAT1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MNAT1
Alternative Name:	MNAT1 / RNF66 (MNAT1 Products)
Background:	The coenzyme NAD and its derivatives are involved in hundreds of metabolic redox reactions and are utilized in protein ADP-ribosylation, histone deacetylation, and in some Ca(2+) signaling pathways. NMNAT (EC 2.7.7.1) is a central enzyme in NAD biosynthesis, catalyzing the condensation of nicotinamide mononucleotide (NMN) or nicotinic acid mononucleotide (NaMN) with the AMP moiety of ATP to form NAD or NaAD.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]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-498 AA053721.1 1-498 499-1372 BC000820.1 489-1362 1373-1388 BU620200.1 1-16 c Alias Symbols: MAT1, RNF66, TFB3, CAP35 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:	WB Suggested Anti-MNAT1 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500 Positive Control: 721_B cell lysate. Optimal working dilutions should be determined experimentally by the investigator.

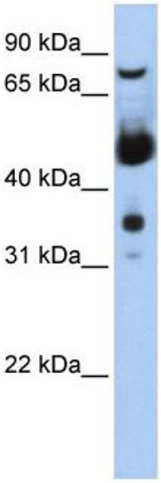
Application Details

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.
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



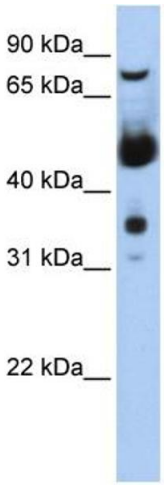
Western Blotting

Image 1. WB Suggested Anti-MNAT1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control:.21_B cell lysate

MNAT1 is supported by BioGPS gene expression data to be expressed in 721_B



Western Blotting

Image 2. WB Suggested Anti-MNAT1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 721_B cell lysate MNAT1 is supported by BioGPS gene expression data to be expressed in 721_B

