

Datasheet for ABIN7599252
anti-MNAT1 antibody (AA 1-309)



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Overview

Quantity:	100 µg
Target:	MNAT1
Binding Specificity:	AA 1-309
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MNAT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MNAT1 Antibody Picoband®
Immunogen:	E.coli-derived human MNAT1 recombinant protein (Position: M1-S309).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MNAT1 Antibody Picoband® (ABIN7599252). Tested in ELISA, IF, ICC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MNAT1
Alternative Name:	MNAT1 (MNAT1 Products)
Background:	Synonyms: Phospholipid-transporting ATPase IG (EC:7.6.2.1), ATPase IQ, ATPase class VI type 11C, P4-ATPase flippase complex alpha subunit ATP11C, ATP11C, ATPIG, ATPIQ Tissue Specificity: Widely expressed. Background: CDK-activating kinase assembly factor MAT1 is an enzyme that in humans is encoded by the MNAT1 gene. The protein encoded by this gene, along with cyclin H and CDK7, forms the CDK-activating kinase (CAK) enzymatic complex. This complex activates several cyclin-associated kinases and can also associate with TFIIH to activate transcription by RNA polymerase II. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	35 kDa
Gene ID:	4331
UniProt:	P51948
Pathways:	Cell Division Cycle , Mitotic G1-G1/S Phases , M Phase

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. "Entrez Gene: MNAT1 menage a trois homolog 1, cyclin H assembly factor (<i>Xenopus laevis</i>)". 2. Eki T, Okumura K, Abe M, Kagotani K, Taguchi H, Murakami Y, Pan ZQ, Hanaoka F (April 1998). "Mapping of the human genes encoding cyclin H (CCNH) and the CDK-activating kinase (CAK) assembly factor MAT1 (MNAT1) to chromosome bands 5q13.3-q14 and 14q23, respectively". <i>Genomics</i> 47 (1): 115-20. 3. Talukder AH, Mishra SK, Mandal M, Balasenthil S, Mehta S, Sahin AA, Barnes CJ, Kumar R (March 2003). "MTA1 interacts with MAT1, a cyclin-dependent kinase-activating kinase complex ring finger factor, and regulates estrogen receptor transactivation functions". <i>J. Biol. Chem.</i> 278 (13): 11676-85.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.