

ARG44180 anti-MNAT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MNAT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MNAT1
Species	Human
Immunogen	Recombinant protein of Human MNAT1
Conjugation	Un-conjugated
Alternate Names	MNAT1; MNAT1 Component Of CDK Activating Kinase; RNF66; MAT1; MNAT CDK-Activating Kinase Assembly Factor 1; MNAT1, CDK Activating Kinase Assembly Factor; CDK-Activating Kinase Assembly Factor MAT1; Menage A Trois 1 (CAK Assembly Factor); CDK7/Cyclin-H Assembly Factor; RING Finger Protein MAT1; RING Finger Protein 66; CAP35; Menage A Trois Homolog 1, Cyclin H Assembly Factor (Xenopus Laevis); Menage A Trois-Like Protein 1 Cyclin H Assembly Factor; Menage A Trois Homolog 1, Cyclin H Assembly Factor; CDK-Activating Kinase Assembly Factor; Cyclin G1 Interacting Protein; Cyclin-G1-Interacting Protein; Menage A Trois; TFB3; P35; P36

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg / 10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

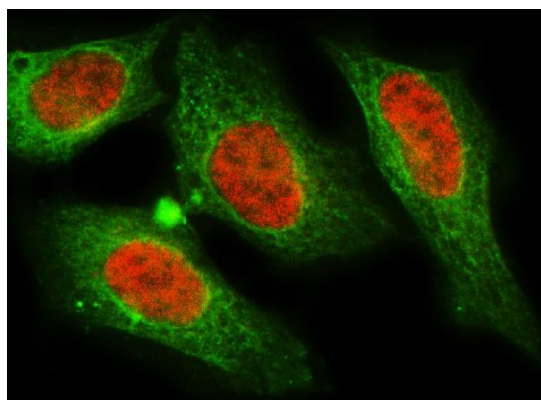
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

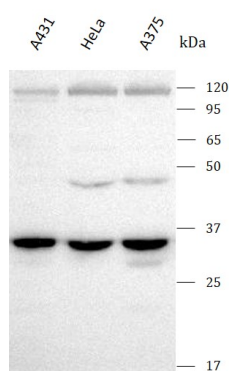
Gene Symbol	MNAT1
Gene Full Name	Mnat1 Component Of Cdk Activating Kinase
Background	The protein encoded by this gene, along with cyclin H and CDK7, forms the CDK-activating kinase (CAK) enzymatic complex. This complex activates several cyclin-associated kinases and can also associate with TFIIH to activate transcription by RNA polymerase II. Two transcript variants encoding different isoforms have been found for this gene.
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.
Calculated Mw	36 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Nucleus

Images



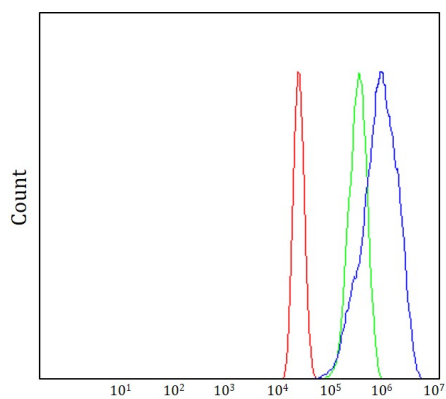
ARG44180 anti-MNAT1 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44180 anti-MNAT1 antibody at 5 µg/mL dilution.



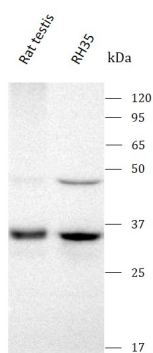
ARG44180 anti-MNAT1 antibody WB image

Western blot: A431, HeLa and A375 stained with ARG44180 anti-MNAT1 antibody at 0.25 µg/mL dilution.



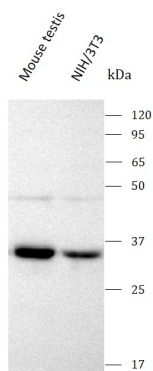
ARG44180 anti-MNAT1 antibody FACS image

Flow Cytometry: MCF-7 stained with ARG44180 anti-MNAT1 antibody at 1 $\mu\text{g}/1 \times 10^6$ cells dilution.



ARG44180 anti-MNAT1 antibody WB image

Western blot: Rat testis and RH35 stained with ARG44180 anti-MNAT1 antibody at 0.25 $\mu\text{g}/\text{mL}$ dilution.



ARG44180 anti-MNAT1 antibody WB image

Western blot: Mouse testis and NIH/3T3 stained with ARG44180 anti-MNAT1 antibody at 0.25 $\mu\text{g}/\text{mL}$ dilution.