

# Immunotag™ MNAT1 Antibody

Antibody Specification	
Catalog No.	ITA6770
Product Description	Immunotag™ MNAT1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MNAT1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human MNAT1
Specificity	MNAT1 Antibody detects endogenous levels of total MNAT1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	MNAT1
Accession No.	P51948
Alternate Names	MNAT 1; CAP35; CDK activating kinase assembly factor MAT1; CDK-activating kinase assembly factor MAT1; CDK7/cyclin H assembly factor; CDK7/cyclin-H assembly factor; Cyclin G1 interacting protein; Cyclin-G1-interacting protein; MAT1; MAT1_HUMAN; Menage a trois 1 (CAK assembly factor); Menage a trois; Menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis); MNAT CDK activating kinase assembly factor 1; Mnat1; p35; p36; RING finger protein 66; RING finger protein MAT1; RNF66; TFB3;

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Description	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-TFIIF 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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	36kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.