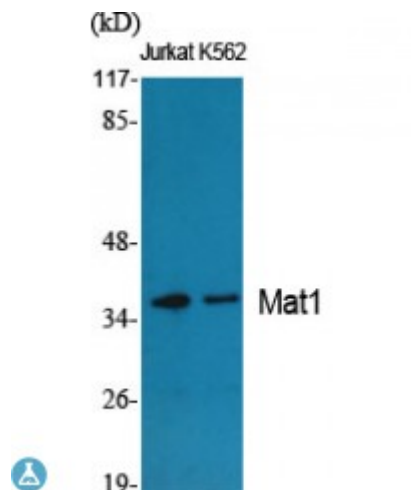


Anti-Mat1 antibody



Description	Rabbit polyclonal to Mat1.
Model	STJ94027
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Mat1
Immunogen Region	60-140 aa, Internal
Gene ID	4331
Gene Symbol	MNAT1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	Mat1 Polyclonal Antibody detects endogenous levels of Mat1 protein.
Tissue Specificity	Highest levels in colon and testis. Moderate levels are present thymus, prostate, ovary, and small intestine. The lowest levels are found in spleen and leukocytes.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	CDK-activating kinase assembly factor MAT1 CDK7/cyclin-H assembly factor Cyclin-G1-interacting protein Menage a trois RING finger protein 66 RING finger protein MAT1 p35 p36

Molecular Weight	36 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:7181OMIM:602659
Alternative Names	CDK-activating kinase assembly factor MAT1 CDK7/cyclin-H assembly factor Cyclin-G1-interacting protein Menage a trois RING finger protein 66 RING finger protein MAT1 p35 p36
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.
Cellular Localization	Nucleus.

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