



## Mat1 Monoclonal Antibody

Catalog No         BYmab-16749           Isotype         IgG           Reactivity         Human;Mouse;Rat           Applications         WB           Gene Name         MNAT1           Protein Name         CDK-activating kinase assembly factor MAT1           Immunogen         The antiserum was produced against synthesized peptide derived from human MAT1. AA range:91-140           Specificity         Mat1 Monoclonal Antibody detects endogenous levels of Mat1 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         MNAT1; CAP35; MAT1; RNF66; CDK-activating kinase assembly factor MAT1; CDK7/cyclin-H assembly factor; Cyclin-61-interacting protein; Menage a trois; RING finger protein 66; RING finger protein MAT1; p35; p36           Observed Band         36kD           Cell Pathway         Nucleus.           Tissue Specificity         Highest levels in colon and testis. Moderate levels are present thymus, prostate, variety of the protein p		
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Gene Name MNAT1 Protein Name CDK-activating kinase assembly factor MAT1  Immunogen The antiserum was produced against synthesized peptide derived from human MAT1. AA range:91-140 Specificity Mat1 Monoclonal Antibody detects endogenous levels of Mat1 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MNAT1; CAP35; MAT1; RNF66; 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  Observed Band 36kD  Cell Pathway Nucleus.  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.  Function function: Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclinases of CDC2/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-terminus domain (CTD) of its large subunit (POLRA), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II, similarity:Contains 1 RING-type zinc finger, similarity Contains 1 RING-type zinc promoter and elongation of the protein protein protein the promoter and elongation of the transcripts. Involved in cell cycle control and in R	Reactivity	Human;Mouse;Rat
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Immunogen         The antiserum was produced against synthesized peptide derived from human MAT1. AA range:91-140           Specificity         Mat1 Monoclonal Antibody detects endogenous levels of Mat1 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         MNAT1; CAP35; MAT1; RNF66; 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           Observed Band         36kD           Cell Pathway         Nucleus.           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. Function           Function         function:Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDC2/CDK1, CDK2, CDK4, enzymatic complex. CAK activates the cyclin-associated kinases CDC2/CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation of the transcription factor activat	Gene Name	MNAT1
MAT1. AA range:91-140  Specificity Mat1 Monoclonal Antibody detects endogenous levels of Mat1 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MNAT1; CAP35; MAT1; RNF66; 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  Observed Band 36kD  Cell Pathway Nucleus.  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.  Function function: Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDC2/CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TEIIH basal transcription phosphorylation. CAK complexed to the core-TEIIH basal transcription factor activates RNA polymerase II, similarity: Contains 1 RING-type zinc finger, similarity: Contains 1 RING-type zinc finger, similarity; Contains 1 RING-type zin	Protein Name	CDK-activating kinase assembly factor MAT1
Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MNAT1; CAP35; MAT1; RNF66; 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  Observed Band 36kD  Cell Pathway Nucleus.  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.  Function function: Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDC2/CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIH basal transcription factor activates RNA polymerase II, similarity. Contains 1 RING-type zinc finger, similarity. Contains 1 UIM (ubiquitin-interacting motif) repeat, subunit: Associates primarily with CDK7	Immunogen	
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	and cyclin H to form the CAK complex. CAK can further associate with the core-TFIIH to form the TFIIH basal transcription factor.,tissue specificity:Highest levels in colon and testis. Moderate le
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. [provided by RefSeq, Sep 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Western Blot analysis of various cells using Mat1 Monoclonal Antibody Mat1 Mat1 26 19-