

## 细胞周期 G1 的相互作用蛋白抗体

产品货号： mlR7896

英文名称： MNAT1

中文名称： 细胞周期 G1 的相互作用蛋白抗体

别名： MNAT 1; CAP35; CDK activating kinase assembly factor MAT1; CDK7/cyclin H assembly factor; Cyclin G1 interacting protein; MAT1; Menage a trois; MNAT 1; p35; p36; RING finger protein 66; RING finger protein MAT1; RNF66; MAT1\_HUMAN.

研究领域： 细胞生物 信号转导 细胞周期蛋白 激酶和磷酸酶 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量：36kDa

细胞定位：细胞核

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human MNAT1:51-150/309

亚型：IgG

纯化方法：affinity purified by Protein A

储存液：0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件：Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed：PubMed

**产品介绍：** MNAT1 (or 'menage a trois-1') is a subunit of the CAK complex which is a multisubunit protein that includes CDK7, cyclin H, as well as MNAT1. CAK (CDK-activating kinase) phosphorylates and thus activates CDKS (Cyclin-dependent kinases) which play an essential role in cell cycle control of eukaryotic cells.

**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-terminus 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.

**Subunit:**

Associates primarily with CDK7 and cyclin H to form the CAK complex. CAK can further associate with the core-TFIIH to form the TFIIH basal transcription factor.

**Subcellular Location:**

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.

**Similarity:**

Contains 1 RING-type zinc finger.

Contains 1 UIM (ubiquitin-interacting motif) repeat.

**SWISS:**

P51948

**Gene ID:**

4331

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

