

染色质组装因子 1P60 抗体

产品货号： mlR21071

英文名称： p60 CAF1

中文名称： 染色质组装因子 1P60 抗体

别 名： CAF 1 subunit B; CAF 1A; CAF I 60 kDa subunit; CAF IP60; CAF-1; CAF-1 subunit B; CAF-I 60 kDa subunit; CAF-I p60; CAF1; CAF1A; CAF1B_HUMAN; CAF1P60; CHAF 1B; CHAF1B; Chromatin assembly factor 1 subunit B; Chromatin assembly factor I; Chromatin assembly factor I p60 subunit; Human chromatin assembly factor-I p60 subunit; M phase phosphoprotein 7; M-phase phosphoprotein 7; MPHOSPH7; MPP 7; MPP7; p60 subunit.

研究领域： 细胞生物 细胞周期蛋白 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, Zebrafish, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 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： 61kDa

细胞定位： 细胞核 细胞浆

性 状： Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human p60 CAF1:1-100/559

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 : Chromatin assembly factor I (CAF-I) is required for the assembly of histone octamers onto newly-replicated DNA. CAF-I is composed of three protein subunits, p50, p60, and p150. The protein encoded by this gene corresponds to the p60 subunit and is required for chromatin assembly after replication. The encoded protein is differentially phosphorylated in a cell cycle-dependent manner. In addition, it is normally found in the nucleus except during mitosis, when it is released into the cytoplasm. This protein is a member of the WD-repeat HIR1 family and may also be involved in DNA repair. [provided by RefSeq, Jul 2008]

Function:

Complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. The CCR4-NOT complex functions as general transcription regulation complex.

Subcellular Location:

Nucleus. Cytoplasm. DNA replication foci. Cytoplasmic in M phase.

Post-translational modifications:

Differentially phosphorylated during cell cycle. During mitosis the p60 subunit of inactive CAF-1 is hyperphosphorylated and displaced into the cytosol. Progressively dephosphorylated from G1 to S and G2 phase. Phosphorylated p60 is recruited to chromatin undergoing DNA repair after UV irradiation in G1, S or G2 phases.

Similarity:

Belongs to the WD repeat HIR1 family.

Contains 7 WD repeats.

SWISS:

Q13112

Gene ID:

8208

Important Note:

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