# 雌激素下调基因 1 蛋白抗体

**产品货号：** mlR9460

**英文名称：** HEXIM1

**中文名称：** 雌激素下调基因 1 蛋白抗体

**别　名：** Cardiac lineage protein 1; CLP 1; CLP1; EDG 1; EDG1; Estrogen down-regulated gene 1 protein; Hexamethylene bis acetamide inducible 1; Hexamethylene bis acetamide inducible protein; Hexamethylene bis acetamide inducible transcript 1; Hexamethylene bis-acetamide-inducible protein 1; HEXI1_HUMAN; HEXIM 1; Hexim1; HEXIM1 protein; HIS 1; HIS1; HMBA inducible; MAQ 1; MAQ1; Menage a quatre 1; Menage a quatre protein 1; Protein HEXIM1.

**研究领域 v** 心血管　细胞生物　转录调节因子　表观遗传学

**抗体来源：** Rabbit

**克隆类型：** Polyclonal

**交叉反应：** Human, Mouse, Rat, Horse,

**产品应用：** ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （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：** 41kDa

**细胞定位：** 细胞核 细胞浆

**性　　状：** Lyophilized or Liquid

**浓　　度：** 1mg/ml

mlbio 酶联生物
Good elisakit producers

**免 疫 原：** KLH conjugated synthetic peptide derived from human HEXIM1/EDG1:101-200/359

**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：** Hexamethylene bis-acetamide inducible 1 (HEXIM1) and Hexamethylene bis-acetamide inducible 2 (HEXIM2) comprise a family of proteins which inhibit positive transcription elongation factor b (P-TEFb) through association with 7SK. P-TEFb is composed of a catalytic subunit, Cdk9, and either Cyclin T1 or T2 as a regulatory subunit. This complex regulates eukaryotic gene expression at the level of elongation. The C-terminal domains of HEXIM proteins interact directly with each other. Via these domains, HEXIM1 and HEXIM2 form stable homo- and hetero-oligomers, which may aid in the formation of the 7SK small nuclear ribonucleic acid particle. Despite their similar functions, HEXIM1 and HEXIM2 exhibit distinct expression patterns in various established cell lines and human tissues.

**Function:**

Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor. In cooperation with 7SK snRNA sequesters P-TEFb in a large inactive 7SK snRNP complex preventing RNA polymerase II phosphorylation and subsequent transcriptional elongation. May also regulate NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity.

**Subunit:**

Homooligomer and heterooligomer with HEXIM2; probably dimeric. Component of the 7SK snRNP complex at least composed of P-TEFb (composed of CDK9 and CCNT1/cyclin-T1), HEXIM1, HEXIM2, BCDIN3, SART3 proteins and 7SK and U6 snRNAs. Interacts with the N-CoR complex through NCOR1. Interacts with ESR1 and NR3C1. May

interact with NF-kappa-B through RELA.

**Subcellular Location:**

Nucleus. Cytoplasm. Binds alpha-importin and is mostly nuclear.

**Tissue Specificity:**

Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.

**Similarity:**

Belongs to the HEXIM family.

**SWISS:**

O94992

**Gene ID:**

10614

**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