

## 结合转化激活因子 CITED1 抗体

产品货号： mlR4898

英文名称： CITED1

中文名称： 结合转化激活因子 CITED1 抗体

别名： Cbp/p300-interacting transactivator 1; Cbp/p300-interacting transactivator with GLU/ASP-rich C-terminal domain, 1; Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1; melanocyte specific gene 1; Melanocyte specific protein 1; MSG1.

研究领域： 肿瘤 染色质和核信号 转录调节因子 细胞类型标志物

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： WB=1:500-2000 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： 21kDa

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 CITED1/ABCC1:101-193/193

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 : This gene encodes a member of the CREB-binding protein/p300-interacting transactivator with Asp/Glu-rich C-terminal domain (CITED) family of proteins. The encoded protein, also known as melanocyte-specific gene 1, may function as a transcriptional coactivator and may play a role in pigmentation of melanocytes. Alternatively spliced transcript variants have been described. [provided by RefSeq].

#### Function:

Transcriptional coactivator of the p300/CBP-mediated transcription complex. Enhances SMAD-mediated transcription by strengthening the functional link between the DNA-binding SMAD transcription factors and the p300/CBP transcription coactivator complex. Stimulates estrogen-dependent transactivation activity mediated by estrogen receptors signaling; stabilizes the interaction of estrogen receptor ESR1 and histone acetyltransferase EP300. Positively regulates TGF-beta signaling through its association with the SMAD/p300/CBP-mediated transcriptional coactivator complex. Induces transcription from estrogen-responsive promoters and protection against cell death. Potentiates EGR2-mediated transcriptional activation activity from the ERBB2 promoter. Acts as an inhibitor of osteoblastic mineralization through a cAMP-dependent parathyroid hormone receptor signaling. May play a role in pigmentation of melanocytes. Associates with chromatin to the estrogen-responsive TGF-alpha promoter region in a estrogen-dependent manner.

#### Subunit:

Interacts (via C-terminus) with CREBBP. Interacts with EGR2. Homodimer. Binds to RBM14. Interacts (via N-terminus) with HSPA8; the interaction suppresses the association of CITED1 with p300/CBP and SMAD-mediated

transcription transactivation. Interacts (via C-terminus) with TOX3 (via HGM box); the interaction increases estrogen-response element (ERE)-dependent transcription and protection against cell death. Interacts with ESR1; the interaction occurs in a estrogen-dependent manner. Interacts (unphosphorylated form preferentially and via C-terminus) with EP300.

**Subcellular Location:**

Nucleus. Cytoplasm. Note=Shuttles between the nucleus and the cytoplasm by a nuclear export signal and (NES) in a CRM1-dependent manner.

**Tissue Specificity:**

Expressed only in melanocytes and testis.

**Post-translational modifications:**

Phosphorylated. Phosphorylation changes in a cell cycle-dependent manner and reduces its transcriptional coactivator activity.

**Similarity:**

Belongs to the CITED family.

**SWISS:**

Q99967

**Gene ID:**

4435

**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**

