

上皮细胞特异性转录因子 1 抗体

产品货号： mlR11279

英文名称： ESE1

中文名称： 上皮细胞特异性转录因子 1 抗体

别名： ELF3; E74 like factor 3; E74 like factor 3 ets domain transcription factor; E74 like factor 3 ets domain transcription factor epithelial specific; E74 like factor 3 ETS domain transcription factor serine box epithelial specific; E74-like factor 3; Elf3; ELF3_HUMAN; Epithelial restricted with serine box; Epithelial-restricted with serine box; Epithelium restricted Ets protein ESX; Epithelium specific Ets factor 1; Epithelium specific Ets transcription factor 1; Epithelium-restricted Ets protein ESX; Epithelium-specific Ets transcription factor 1; EPR 1; EPR1; ERT; ESE-1; ESX; Ets domain transcription factor serine box; Ets domain transcription factor serine box epithelial specific; Ets transcription factor; ETS-related transcription factor Elf-3; jen; MGC139318.

研究领域： 转录调节因子 细胞分化 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, 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：41kDa

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 ESE1:201-300/371

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 : ESE-1, a member of the Ets family of transcription factors, critically regulates epithelial cell differentiation and mediates vascular inflammation. ESE-1 is strongly expressed in vascular endothelium and smooth muscle cells where it is induced in response to inflammatory cytokines and lipopolysaccharides, interacts with NF-KappaB to induce nitric oxide synthase, and is induced during terminal differentiation of epidermal and primary keratinocytes. In addition, ESE-1 is upregulated upon differentiation of corneal epithelium and interacts with Sp1 and AP-1 proteins to induce squamous differentiation marker expression in bronchial epithelial cells.

Function:

Transcriptional activator that binds and transactivates ETS sequences containing the consensus nucleotide core sequence GGA[AT]. Acts synergistically with POU2F3 to transactivate the SPRR2A promoter and with RUNX1 to transactivate the ANGPT1 promoter. Also transactivates collagenase, CCL20, CLND7, FLG, KRT8, NOS2, PTGS2, SPRR2B, TGFBR2 and TGM3 promoters. Represses KRT4 promoter activity. Involved in mediating vascular inflammation. May play an important role in epithelial cell differentiation and tumorigenesis. May be a critical downstream effector of the ERBB2 signaling pathway. May be associated with mammary gland development and involution. Plays an important role in the regulation of transcription with TATA-less promoters in preimplantation embryos, which is essential in preimplantation development.

Subunit:

Interacts with TBP. Interacts with CREBBP and EP300; these act as transcriptional coactivators of ELF3 and positively modulate its function. Interacts with XRCC5/KU86 and XRCC6/KU70; these inhibit the ability of ELF3 to bind DNA and negatively modulate its transcriptional activity. Associated with CLND7 and POU2F3.

Subcellular Location:

Cytoplasm. Nucleus. Localizes to the cytoplasm where it has been shown to transform MCF-12A mammary epithelial cells via a novel cytoplasmic mechanism. Also transiently expressed and localized to the nucleus where it induces apoptosis in non-transformed breast epithelial cells MCF-10A and MCF-12A via a transcription-dependent mechanism.

Tissue Specificity:

Expressed exclusively in tissues containing a high content of terminally differentiated epithelial cells including mammary gland, colon, trachea, kidney, prostate, uterus, stomach and skin.

Similarity:

Belongs to the ETS family.

Contains 1 ETS DNA-binding domain.

Contains 1 PNT (pointed) domain.

SWISS:

P78545

Gene ID:

1999

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

