中胚层诱导早期反应蛋白 3 抗体

产品货号： mlR18939

英文名称： MIER3

中文名称： 中胚层诱导早期反应蛋白 3 抗体

别　　名： DKFZp686L09111; DKFZp781G1119; DKFZP781I1119; FLJ35954; Mesoderm induction early response 1 family member 3; Mesoderm induction early response protein 3; Mi-er3; MIER 3; MIER3; MIER3_HUMAN.

研究领域： 肿瘤　细胞生物　生长因子和激素　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, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep, Ferret, Baboon, Rhesus monkey, Gorilla, Orangutan

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

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human MIER3:401-500/550

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： The mesoderm induction early response (MIER) protein family (also known as the fibroblast growth factor (FGF)-regulated immediate-early protein family) comprises a group of proteins that are activated by FGF (fibroblast growth factor). This suggests that MEIR proteins may play a significant role in FGF-regulated cellular activities and in the progression of certain cancers. MIER proteins contain one SANT domain, which is involved in transcriptional activation and repression, and one ELM2 domain, which was first characterized in egl-27, a gene that is critically involved in embryonic patterning of C. elegans. MIER1, formerly known as early response 1 (ER1), was first cloned and characterized in Xenopus. Expression of MIER1 is negligible in most normal tissues, but has been found to be upregulated in breast carcinoma cell lines and tumors. MIER1 functions as a transcriptional repressor of a number of genes including Sp1 target genes, most likely through interaction with HDAC1.

Function:

Transcriptional repressor regulating the expression of a number of genes including SP1 target genes. Probably functions through recruitment of HDAC1 a histone deacetylase involved in chromatin silencing.

Subunit:

Interacts with HDAC1. Part of a complex containing at least CDYL, MIER1, MIER2, HDAC1 and HDAC2.

Subcellular Location:

Nucleus; Cytoplasm

Tissue Specificity:

Ubiquitously expressed, but at very low levels. However, consistent level of expression are observed in heart, testis, thyroid, ovary and adrenal gland. Transcripts are up-regulated in breast carcinoma cell lines and tumor.

Similarity:

Contains 1 ELM2 domain.

Contains 1 SANT domain.

SWISS:

Q7Z3K6

Gene ID:

166968

Important Note:

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