

蛋白激酶 MPK38 抗体

产品货号： mlR12201

英文名称： MELK

中文名称： 蛋白激酶 MPK38 抗体

别名： AI327312; HPK38; hMELK; HPK 38; hPK38; KIAA0175; Likely ortholog of maternal embryonic leucine zipper kinase; Maternal embryonic leucine zipper kinase; MELK; MELK_HUMAN; mKIAA0175; MPK38; OTTHUMP00000021377; OTTHUMP00000046113; pEg3 kinase; Protein kinase PK38; RP23 382O11.1.

研究领域： 细胞生物 发育生物学 信号转导 干细胞 激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, 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： 75kDa

细胞定位： 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from Human MELK/HPK38:101-250/651

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： MELK a new member of the Snf1/AMPK family of kinases, encodes a protein with a kinase catalytic domain and a leucine zipper motif consisting of a periodic repetition of leucine residues at every seventh residue located within the N-terminal catalytic domain. This motif has been observed in myriad DNA-binding proteins and is presumed to be involved in protein-DNA interactions, and potentially protein-protein interactions. Research predicts that the gene product of MELK plays a role in the signal transduction events in the egg and early embryo. Mouse and human MELK proteins share 95% sequence identity in the kinase domain and northern blot analysis in mouse indicates that MELK expression is restricted to spermatogonia in the testis and to oocytes in the ovary.

Function:

Phosphorylates ZNF622 and may contribute to its redirection to the nucleus. May be involved in the inhibition of spliceosome assembly during mitosis.

Subunit:

Monomer. Interacts with ZNF622 and PPP1R8.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Expressed in placenta, kidney, thymus, testis, ovary and intestine.

Post-translational modifications:

Autophosphorylated. Thr-478 phosphorylation during mitosis promotes interaction with PPP1R8.

DISEASE:

Note=Defects in MELK are associated with some cancers, such as brain or breast cancers. Expression is dramatically increased in aggressive undifferentiated tumors, correlating with poor patient outcome in breast and brain cancers, suggesting a role in tumor-initiating cells and proliferation via its function in cell proliferation regulation.

Similarity:

Belongs to the protein kinase superfamily.

CAMK Ser/Thr protein kinase family. SNF1 subfamily.

Contains 1 KA1 (kinase-associated) domain.

Contains 1 protein kinase domain.

SWISS:

Q14680

Gene ID:

9833

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

