

磷酸化蛋白激酶样内质网激酶抗体

产品货号： mIR23340

英文名称： Phospho-PERK (Thr980)

中文名称： 磷酸化蛋白激酶样内质网激酶抗体

别名： p-PERK(Thr980); PERK(Phospho Thr980); PERK(Phospho T980); Phospho-PERK(Thr982)(human); HRI; HsPEK; Pancreatic eIF2-alpha kinase; PEK; PRKR like endoplasmic reticulum kinase; WRS; DKFZp781H1925; EC 2.7.11.1; EIF2AK3; Eukaryotic translation initiation factor 2 alpha kinase 3; Heme regulated EIF2 alpha kinase.

产品类型： 磷酸化抗体

研究领域： 肿瘤 细胞生物 免疫学 信号转导 细胞凋亡 转录调节因子 激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Rabbit,

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： 119kDa

细胞定位： 细胞浆 细胞膜

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免疫原： KLH conjugated synthesised phosphopeptide derived from human PERK around the phosphorylation site of Thr980:H(p-T)GQ

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 protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by malformed proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome. [provided by RefSeq, Jan 2010].

Function:

Phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation and thus to a rapid reduction of translational initiation and repression of global protein synthesis. Serves as a critical effector of unfolded protein response (UPR)-induced G1 growth arrest due to the loss of cyclin D1.

Subunit:

Forms dimers with HSPA5/BIP in resting cells. Oligomerizes in ER-stressed cells. Interacts with DNAJC3.

Subcellular Location:

Endoplasmic reticulum membrane; Single-pass type I membrane protein.

Tissue Specificity:

Ubiquitous.

Post-translational modifications:

Autophosphorylated.

N-glycosylated.

Similarity:

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. GCN2 subfamily.

Contains 1 protein kinase domain.

SWISS:

Q9Z2B5

Gene ID:

13666

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

