

丝氨酸苏氨酸蛋白激酶 ICK 抗体

产品货号： mlR15536

英文名称： ICK

中文名称： 丝氨酸/苏氨酸蛋白激酶 ICK 抗体

别名： 2210420N10Rik; A1848300; ECO; ICK_HUMAN; Heart serine threonine protein kinase; hICK; Intestinal cell (MAK like) kinase; Intestinal cell kinase; KIAA0936; Laryngeal cancer kinase 2; LCK2; MAK-related kinase; MAK related kinase; MGC46090; mICK; MRK; OTTMUSP00000041856; OTTMUSP00000041857; Serine/threonine-protein kinase ICK; Serine/threonine protein kinase ICK.

研究领域： 细胞生物 染色质和核信号 细胞周期蛋白 激酶和磷酸酶 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, 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： 71kDa

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 ICK:1-100/632

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： Eukaryotic protein kinases are enzymes that belong to a very extensive family of proteins which share a conserved catalytic core common with both serine/threonine and tyrosine protein kinases. This gene encodes an intestinal serine/threonine kinase harboring a dual phosphorylation site found in mitogen-activating protein (MAP) kinases. The protein localizes to the intestinal crypt region and is thought to be important in intestinal epithelial cell proliferation and differentiation. Alternative splicing has been observed at this locus and two variants, encoding the same isoform, have been identified.

Function:

May play a key role in the development of multiple organ systems and particularly in cardiac development.

Subcellular Location:

Nucleus. Cytoplasm, cytosol. Note=Nuclear localization has been observed with a GFP-tagged construct in transfected HeLa cells (PubMed:12103360). Cytosolic localization was shown in rat embryonic cardiomyocytes by immunostaining (PubMed:8570168).

Tissue Specificity:

Expressed in heart, brain, placenta, pancreas, thymus, prostate, testis, ovary, small intestine and colon, with highest levels in placenta and testis. Not detected in spleen. Also expressed in many cancer cell lines.

Post-translational modifications:

Autophosphorylated on serine and threonine residues. May play a role in enzyme activation.

DISEASE:

Endocrine-cerebroosteodysplasia (ECO) [MIM:612651]: Previously unidentified neonatal lethal recessive disorder with multiple anomalies involving the endocrine, cerebral, and skeletal systems. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.

Contains 1 protein kinase domain.

SWISS:

Q9UPZ9

Gene ID:

22858

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

