

产品名称: Intestinal Cell Kinase (phospho Tyr159) Rabbit Polyclonal Antibody
产品货号: APRab04858

产品概述 (Summary)

产品名称 (Production Name)	Intestinal Cell Kinase (phospho Tyr159) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ICK
别名 (Alternative Names)	ICK; KIAA0936; Serine/threonine-protein kinase ICK; Intestinal cell kinase; hICK; Laryngeal cancer kinase 2; LCK2; MAK-related kinase; MRK
基因 ID (Gene ID)	22858.0
蛋白 ID (SwissProt ID)	Q9UPZ9.The antiserum was produced against synthesized peptide derived from human ICK around the phosphorylation site of Tyr159. AA range:125-174

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	71kDa

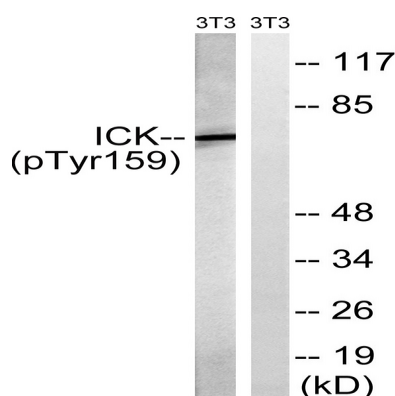
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研究背景 (Background)

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. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,disease:Defects in ICK are the cause of endocrine-cerebroosteodysplasia (ECO) [MIM:612651]. ECO is a previously unidentified neonatal lethal recessive disorder with multiple anomalies involving the endocrine, cerebral, and skeletal systems.,function:May play a key role in the development of multiple organ systems and particularly in cardiac development.,PTM:Autophosphorylated on serine and threonine residues. May play a role in enzyme activation.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location: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.,

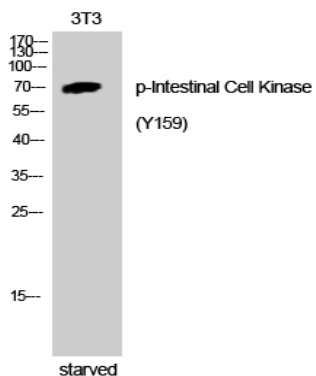
研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of lysates from NIH/3T3 cells treated with starved 24h, using ICK (Phospho-Tyr159) Antibody. The lane on the right is blocked with the phospho peptide.

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Western Blot analysis of 3T3 cells using Phospho-Intestinal Cell Kinase (Y159) Polyclonal Antibody

注意事项 (Note)

For research use only .