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ETNK2 Rabbit pAb

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Catalog # AP55064

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9NVF9
Predicted	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44781
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ETNK2/Ethanolamine kinase 2
Epitope Specificity	21-120/386
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Belongs to the choline/ethanolamine kinase family.
SIMILARITY	Belongs to the choline/ethanolamine kinase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Ethanolamine kinase 2, also known as EKI2, ETNK2 or HMFT1716, is a 386 amino acid protein that belongs to the choline/ethanolamine kinase family. Via the cytidine diphosphate (CDP) ethanolamine pathway, Ethanolamine kinase 2 catalyses the initial step of phosphatidylethanolamine (PtdEtn) biosynthesis. Ethanolamine kinase 2 is expressed in kidney, liver, testis, ovary and prostate, and is highly specific for ethanolamine phosphorylation. Upregulated during testis development, Ethanolamine kinase 2 may play an essential role in regulating placental hemostasis. Existing as three alternatively spliced isoforms, the gene encoding Ethanolamine kinase 2 maps to human and mouse chromosome 1. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes, comprises nearly 8% of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

Additional Information

Gene ID	55224
Other Names	Ethanolamine kinase 2, EKI 2, 2.7.1.82, Ethanolamine kinase-like protein, ETNK2, EKI2
Target/Specificity	Expressed in kidney, liver, ovary, testis and prostate.

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	ETNK2
Synonyms	EKI2
Function	Catalyzes the ATP-dependent phosphorylation of ethanolamine to phosphoethanolamine (By similarity). Highly specific for ethanolamine phosphorylation and does not exhibit choline kinase activity (By similarity).
Tissue Location	Expressed in kidney, liver, ovary, testis and prostate.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.