



Rabbit Anti-ETNK2 antibody

SL13112R

Product Name:	ETNK2
Chinese Name:	乙醇胺激酶2抗体
Alias:	4933417N20Rik; AI197444; EC 2.7.1.82; EKI 2; EKI2; EKI2_HUMAN; Ethanolamine kinase 2; Ethanolamine kinase like protein; Ethanolamine kinase-like protein; ETNK 2; ETNK2; FLJ10761; HMFT1716; RP11 74C13.2; Tuc1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ETNK2/Ethanolamine kinase 2:21-120/386
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	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.

Function:

Highly specific for ethanolamine phosphorylation. Does not have choline kinase activity.

Subcellular Location:

Belongs to the choline/ethanolamine kinase family.

Tissue Specificity:

Expressed in kidney, liver, ovary, testis and prostate.

Similarity:

Belongs to the choline/ethanolamine kinase family.

SWISS:

Q9NVF9

Gene ID:

64123

Database links:

[Entrez Gene: 55224](#)Human

[Entrez Gene: 214253](#)Mouse

[Entrez Gene: 100622861](#)Pig

[Entrez Gene: 360843](#)Rat

[Omim: 609859](#)Human

[SwissProt: Q9NVF9](#)Human

[SwissProt: A7MCT6](#)Mouse

[SwissProt: D3ZRW8](#)Rat

[Unigene: 497469](#)Human

[Unigene: 52111](#)Mouse

[Unigene: 65516Rat](#)

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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