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# anti-Ethanolamine Kinase 2 antibody (AA 21-120)



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Quantity:	100 μL
Target:	Ethanolamine Kinase 2 (ETNK2)
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ethanolamine Kinase 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human ETNK2/Ethanolamine kinase 2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Pig
Purification:	Purified by Protein A.

## **Target Details**

Target:	Ethanolamine Kinase 2 (ETNK2)
Alternative Name:	ETNK2/Ethanolamine kinase 2 (ETNK2 Products)

#### **Target Details**

#### Background:

Synonyms: 4933417N20Rik, Al197444, 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.

Background: 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.

Gene ID:

55224

#### **Application Details**

Application Notes:	WB 1:300-5000

ELISA 1:500-1000

IHC-P 1:200-400

IHC-F 1:100-500

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

ICC 1:100-500

Restrictions:

For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

## Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months