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Datasheet for ABIN1707026

## anti-Ethanolamine Kinase 2 antibody (AA 21-120) (Cy5.5)

### Overview

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 conjugated to Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### 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 ( <a href="#">ETNK2 Products</a> )
Background:	Synonyms: 4933417N20Rik, AI197444, EC 2.7.1.82, EKI 2, EK12, EK12_HUMAN, Ethanolamine

## Target Details

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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.

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Gene ID: 55224

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months