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Datasheet for ABIN1701445

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

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 Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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)
Background:	Synonyms: 4933417N20Rik, A197444, EC 2.7.1.82, EKI 2, EK12, EK12_HUMAN, Ethanolamine

Target Details

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 EK12, 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
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Handling

Expiry Date: 12 months