bs-13112R **[Primary Antibody]**

ETNK2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 55224 **SWISS:** Q9NVF9

Target: ETNK2

Immunogen: KLH conjugated synthetic peptide derived from human ETNK2/Ethanolamine kinase 2: 21-120/386.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Pig)

Predicted MW.: 45 kDa

Subcellular Location: Cytoplasm