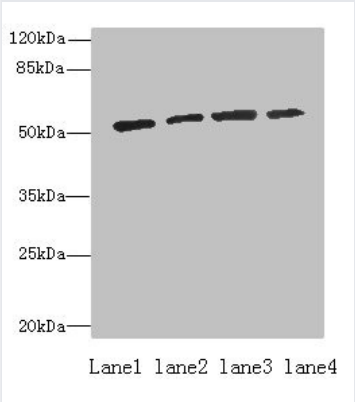
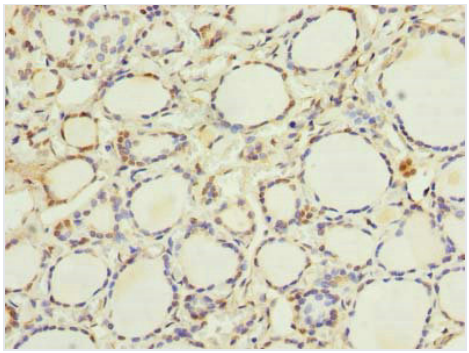
ETNK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

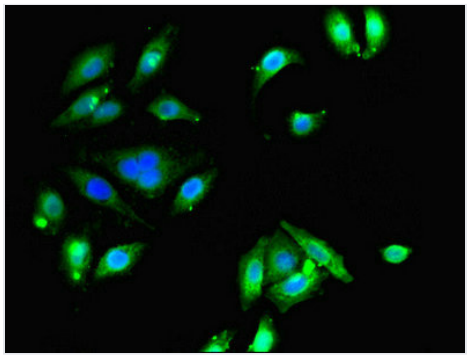
Product Name	ETNK1, Polyclonal Antibody
Full Product Name	ETNK1 Antibody
Product Gene Name	anti-ETNK1 antibody
Product Synonym Names	Ethanolamine kinase 1 (EC:2.7.1.82); EKI 1; ETNK1; EKI1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Affinity Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: ETNK1 (MBS7006436) FITC Conjugated Antibody: ETNK1 (MBS1492239)
Matching Pairs	Unconjugated Antibody: ETNK1 (MBS7006436) HRP Conjugated Antibody: ETNK1 (MBS1492244)
Matching Pairs	Unconjugated Antibody: ETNK1 (MBS7006436) Biotin Conjugated Antibody: ETNK1 (MBS1498703)
Molecular Weight	27,995 Da
OMIM	609858
3D Structure	ModBase 3D Structure for Q9HBU6
Immunogen	Recombinant human Ethanolamine kinase 1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-74628 / sc-74629 / sc-130754
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ETNK1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ETNK1 antibody	Recommended dilution: WB:1:500-2000, IHC:1:20-1:200
Related Product Information for anti-ETNK1 antibody	Highly specific for ethanolamine phosphorylation. May be a rate-controlling step in phosphatidylethanolamine biosynthesis.
Other Notes	Small volumes of anti-ETNK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ETNK1 purchase	MBS7006436 is an antibody targeting ETNK1. Also known as ETNK1 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ETNK1 antibody
Western blotAll lanes: ETNK1 antibody at 0.5ug/mlLane 1: A549 whole cell lysateLane 2: A431 whole cell lysateLane 3: HepG-2 whole cell lysateLane 4: MCF7 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 51,28 kDaObserved band size: 51 kDa



Immunohistochemistry (IHC) of anti-ETNK1 antibody
Immunohistochemistry of paraffin-embedded human thyroid tissue using MBS7006436 at dilution of 1:100



Immunohistochemistry (IHC) of anti-ETNK1 antibody
Immunofluorescent analysis of A549 cells using MBS7006436 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ETNK1. It may not necessarily be applicable to this product.

NCBI GI #	87298843
NCBI GeneID	55500
NCBI Accession #	NP_001034570.1
UniProt Primary Accession #	Q9HBU6
UniProt Secondary Accession #	G5E969
UniProt Related Accession #	Q9HBU6
GenBank Nucleotide #	NM_001039481.1
NCBI Official Full Name	ethanolamine kinase 1 isoform B
NCBI Official Synonym Full Names	ethanolamine kinase 1
NCBI Official Symbol	ETNK1
NCBI Official Synonym Symbols	EKI; EKI1; EKI 1; Nbla10396
UniProt Protein Name	Ethanolamine kinase 1
Protein Family	Ethanolamine kinase
UniProt Gene Name	ETNK1

UniProt Synonym Gene Names	EKI1; EKI 1
UniProt Entry Name	EKI1_HUMAN
NCBI Protein Information	ethanolamine kinase 1
NCBI Summary for ETNK1	This gene encodes an ethanolamine kinase, which functions in the first committed step of the phosphatidylethanolamine synthesis pathway. This cytosolic enzyme is specific for ethanolamine and exhibits negligible kinase activity on choline. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for ETNK1	ETNK1: Highly specific for ethanolamine phosphorylation. May be a rate-controlling step in phosphatidylethanolamine biosynthesis. Belongs to the choline/ethanolamine kinase family. Protein type: Lipid Metabolism - glycerophospholipid; EC 2.7.1.82; Kinase, other Chromosomal Location of Human Ortholog: 12p12.1 Cellular Component: cytoplasm; cytosol; membrane; nucleoplasm; plasma membrane Molecular Function: ATP binding; ethanolamine kinase activity; protein binding Biological Process: glycerophospholipid biosynthetic process; phosphatidylethanolamine biosynthetic process; phospholipid metabolic process; phosphorylation
Research Articles on ETNK1	**1.** we identified novel somatic missense ETNK1 mutations that were most frequent in systemic mastocytosis with eosinophilia and chronic myelomonocytic leukemia
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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