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CHKL Rabbit pAb

Catalog # AP99868

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y259
Other Accession	Q9Y259
Reactivity	Mouse
Predicted	Rat, Human, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45271
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CHKL
Epitope Specificity	301-395/395
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the choline/ethanolamine kinase family.
SUBUNIT	Homodimer, and heterodimer with CHKA.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Choline kinase (CK) and ethanolamine kinase (EK) catalyzethe phosphorylation of choline/ethanolamine tophosphocholine/phosphoethanolamine. This is the first enzyme in thebiosynthesis of phosphatidylcholine/phosphatidylethanolamine in allanimal cells. The highly purified CKs from mammalian sources andtheir recombinant gene products have been shown to have EK activityalso, indicating that both activities reside on the same protein.The choline kinase-like protein encoded by CHKL belongs to thecholine/ethanolamine kinase family; however, its exact function isnot known. Read-through transcripts are expressed from this locusthat include exons from the downstream CPT1B locus. [provided byRefSeq, Jun 2009].

Additional Information

Gene ID	1120
Other Names	CHETK; CHKL; CK; CKB; CKEKB; EK; EKB; MDCMC; CHKB_HUMAN; CHKB; Choline kinase beta (CK | CKB); Choline kinase-like protein; Ethanolamine kinase (EK); Ethanolamine kinase beta (EKB); choline/ethanolamine kinase beta (CKEKB); choline kinase beta; choline kinase-like
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CHKB
Synonyms	CHETK, CHKL
Function	Has a key role in phospholipid metabolism, and catalyzes the first step of phosphatidylethanolamine and phosphatidylcholine biosynthesis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.