

For Research Use Only

Choline Kinase Alpha Recombinant antibody

Catalog Number: 84881-2-RR



Basic Information

Catalog Number: 84881-2-RR	GenBank Accession Number: BC036471	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1119	CloneNo.: 242095B4
Source: Rabbit	UNIPROT ID: P35790	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: choline kinase alpha	
Immunogen Catalog Number: AG4761	Calculated MW: 439 aa, 52 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, COLO 320 cells
Species Specificity: human	

Background Information

Choline kinase alpha, also named as CHK, CKI and CK, belongs to the choline/ethanolamine kinase family. CHKA may have a regulatory role in phosphatidylcholine synthesis. CHKA catalyze the reaction: ATP + choline = ADP + O-phosphocholine. The human enzyme resembled the rat liver enzyme over the entire sequence. It also resembled the yeast enzyme in the carboxy-terminal region, but not in the amino-terminal region(PMID:1618328).And it expresses in human brain tissue but not in human skeletal muscle(PMID:21665002).It has 2 isoforms produced by alternative splicing.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

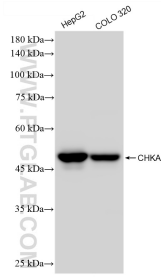
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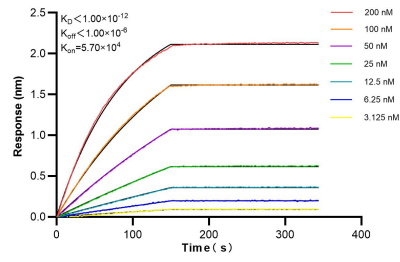
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84881-2-RR (CHKA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84881-2-RR against Human CHKA were performed. The affinity constant is below 1 pM.