

For Research Use Only

CHKA Recombinant antibody, PBS Only (Detector)

Catalog Number: 84881-2-PBS



Basic Information

Catalog Number: 84881-2-PBS	GenBank Accession Number: BC036471	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 1119	CloneNo.: 242095B4
Source: Rabbit	UNIPROT ID: P35790	
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, Cytometric bead array, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

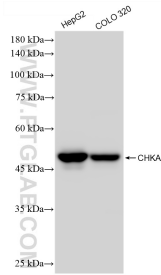
T: 4006900926

E: Proteintech-CN@ptglab.com

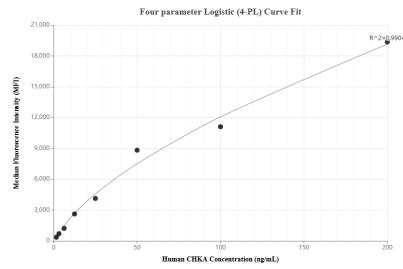
W: ptgcn.com

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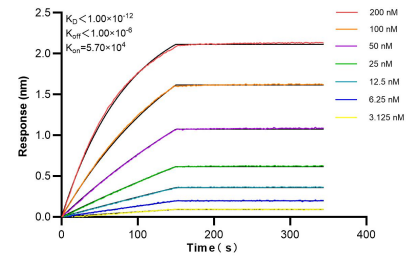
Selected Validation Data



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. This data was developed using the same antibody clone with 84881-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01644-2, CHKA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84881-1-PBS. Detection antibody: 84881-2-PBS. Standard: Ag4761. Range: 1.563-200 ng/mL



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