

For Research Use Only

CLUH Recombinant antibody

Catalog Number: 84321-3-RR



Basic Information

Catalog Number: 84321-3-RR	GenBank Accession Number: BC156940	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 23277	CloneNo.: 241640C1
Source: Rabbit	UNIPROT ID: O75153	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: KIAA0664	
Immunogen Catalog Number: AG34275	Observed MW: 147-150 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : HeLa cells, HEK-293T cells, A549 cells, HCT 116 cells, mouse tissue

Background Information

Clustered mitochondria homolog (CLUH) is a conserved RNA-binding protein, that binds transcripts encoding proteins involved in the respiratory chain, the tricarboxylic acid (TCA) cycle, and other mitochondrial metabolic pathways. Upon loss of CLUH, target mRNAs are subjected to faster decay, and their respective proteins are decreased in abundance. This leads to alterations in mitochondrial distribution (mitochondrial clustering as the gene name alludes to) mitochondrial cristae integrity, respiratory defects, loss of mtDNA, and decreased activity of TCA cycle enzymes. (PMID: 35559794)

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

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

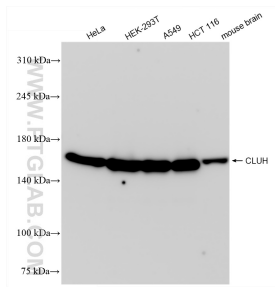
T: 4006900926

E: Proteintech-CN@ptglab.com

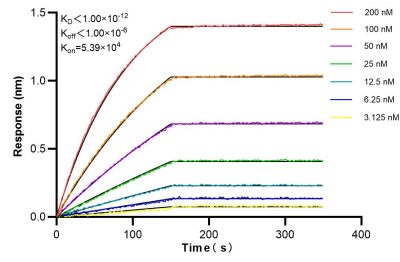
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84321-3-RR (CLUH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84321-3-RR against Human CLUH were performed. The affinity constant is below 1 pM.