

For Research Use Only

CLUH Recombinant antibody, PBS Only

Catalog Number: 84321-3-PBS



Basic Information

Catalog Number: 84321-3-PBS	GenBank Accession Number: BC156940	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23277	CloneNo.: 241640C1
Source: Rabbit	UNIPROT ID: O75153	
Isotype: IgG	Full Name: KIAA0664	
Immunogen Catalog Number: AG34275	Observed MW: 147-150 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

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

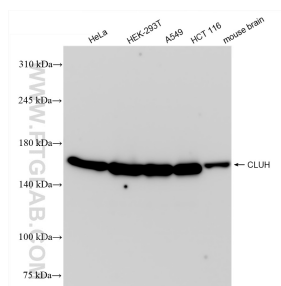
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

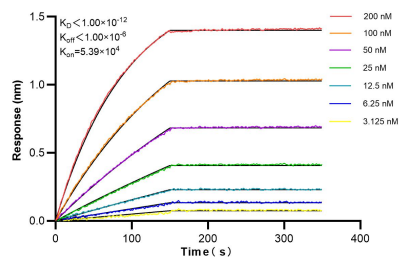
For technical support and original validation data for this product please contact:
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Selected Validation Data



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. This data was developed using the same antibody clone with 84321-3-PBS in a different storage buffer formulation.



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