

For Research Use Only

CLUH Polyclonal antibody

Catalog Number: 30986-1-AP



Basic Information

Catalog Number: 30986-1-AP	GenBank Accession Number: BC156940	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 23277	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: O75153	
Isotype: IgG	Full Name: KIAA0664	
Immunogen Catalog Number: AG34275	Observed MW: 147-150 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, monkey	WB : HeLa cells, mouse heart tissue, mouse kidney tissue IF/ICC : COS-7 cells,

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

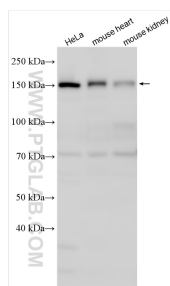
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

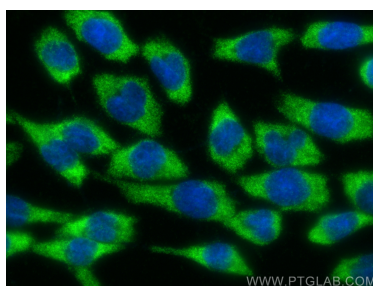
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30986-1-AP (CLUH antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed COS-7 cells using CLUH antibody (30986-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).