

For Research Use Only

COX6B1 Recombinant monoclonal antibody

Catalog Number: 86783-3-RR



Basic Information

Catalog Number: 86783-3-RR	GenBank Accession Number: BC001015	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1340	CloneNo.: 251743G4
Source: Rabbit	UNIPROT ID: P14854	Recommended Dilutions: WB: 1:500-1:1000 IF/ICC: 1:500-1:2000
Isotype: IgG	Full Name: cytochrome c oxidase subunit Vib polypeptide 1 (ubiquitous)	
Immunogen Catalog Number: AG1984	Calculated MW: 80 aa, 10 kDa	
	Observed MW: 10-13 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HepG2 cells, Caco-2 cells, HeLa cells, human heart tissue IF/ICC : HeLa cells,

Background Information

COX6B1 (Cytochrome c oxidase subunit 6B1) is also named as COX6B and belongs to the cytochrome c oxidase subunit 6B family. It connects the two COX monomers into the physiological dimeric form. Defects in COX6B1 are a cause of mitochondrial complex IV deficiency (MT-C4D).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

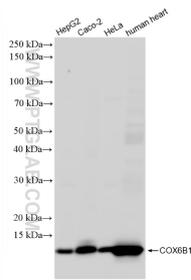
For technical support and original validation data for this product please contact:

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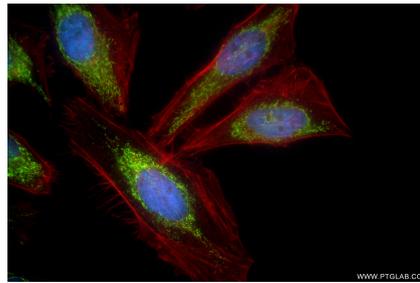
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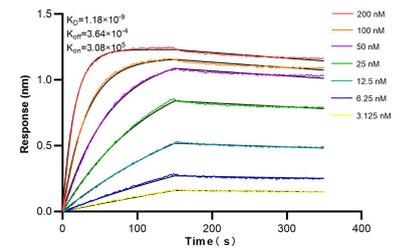
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86783-3-RR (COX6B1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using COX6B1 antibody (86783-3-RR, Clone: 251743G4) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 86783-3-RR against Human COX6B1 were performed. The affinity constant is 1.18 nM.