

For Research Use Only

# COX6B1 Recombinant monoclonal antibody, PBS Only

Catalog Number:86783-3-PBS



## Basic Information

<b>Catalog Number:</b> 86783-3-PBS	<b>GenBank Accession Number:</b> BC001015	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1340	<b>CloneNo.:</b> 251743G4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P14854	
<b>Isotype:</b> IgG	<b>Full Name:</b> cytochrome c oxidase subunit Vib polypeptide 1 (ubiquitous)	
<b>Immunogen Catalog Number:</b> AG1984	<b>Calculated MW:</b> 80 aa, 10 kDa	
	<b>Observed MW:</b> 10-13 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## 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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

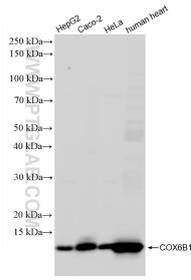
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

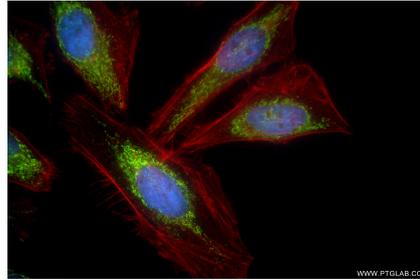
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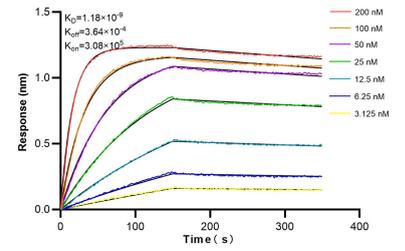
## Selected Validation Data



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. This data was developed using the same antibody clone with 86783-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86783-3-PBS in a different storage buffer formulation.



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