

For Research Use Only

# COX6B1 Recombinant monoclonal antibody

Catalog Number: 86783-3-RR



## Basic Information

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

## Applications

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

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

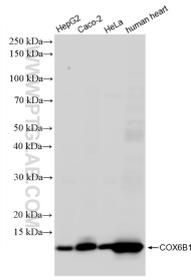
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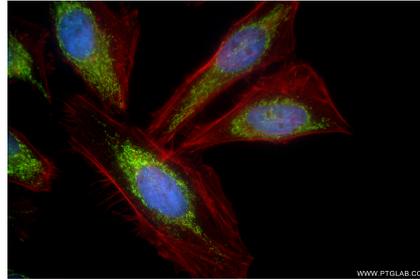
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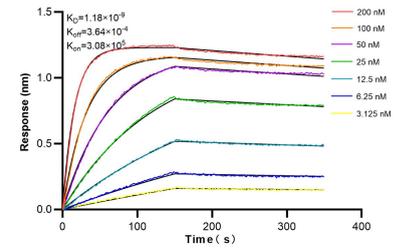
## Selected Validation Data



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.