

For Research Use Only

# CA5B Recombinant monoclonal antibody, PBS Only

Catalog Number:86996-1-PBS



## Basic Information

<b>Catalog Number:</b> 86996-1-PBS	<b>GenBank Accession Number:</b> BC028142	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11238	<b>CloneNo.:</b> 251915F10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2D0	
<b>Isotype:</b> IgG	<b>Full Name:</b> carbonic anhydrase VB, mitochondrial	
<b>Immunogen Catalog Number:</b> AG4166	<b>Calculated MW:</b> 317 aa, 36 kDa	
	<b>Observed MW:</b> 32-35 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

CA5B(Carbonic anhydrase 5B, mitochondrial) is also named as CA-VB and belongs to the alpha-carbonic anhydrase family.CA5B encodes a 317-amino acid protein that has 64% sequence similarity with CA5 (114761), a mitochondrial CA, and contains a 33-amino-acid residue signal sequence. Western blot analysis revealed a 36-kD protein precursor and a 32-kD mature protein (PMID:10409679).

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

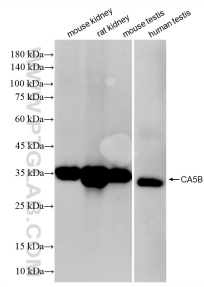
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86996-1-RR (CA5B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86996-1-PBS in a different storage buffer formulation.