

For Research Use Only

# ACO2 Recombinant monoclonal antibody

Catalog Number:87630-2-RR



## Basic Information

<b>Catalog Number:</b> 87630-2-RR	<b>GenBank Accession Number:</b> BC014092	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by 50 Nanodrop;	<b>GeneID (NCBI):</b> 50	<b>CloneNo.:</b> 252976A4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99798	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> aconitase 2, mitochondrial	
<b>Immunogen Catalog Number:</b> AG1590	<b>Calculated MW:</b> 85 kDa	
	<b>Observed MW:</b> 85 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, K-562 cells, Jurkat cells
<b>Species Specificity:</b> human	

## Background Information

ACO2(aconitate hydratase, mitochondrial) is also named as citrate hydro-lyase and belongs to the aconitase/IPM isomerase family. It plays a key function in cellular energy production, and loss of its activity has a major impact on cellular and organismal survival.

## 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

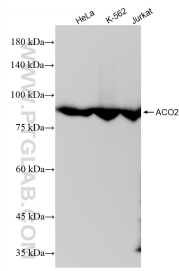
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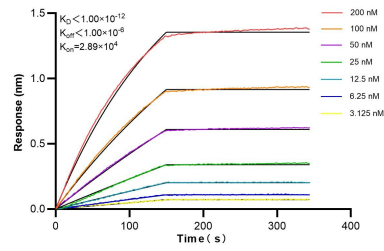
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87630-2-RR (ACO2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87630-2-RR against Human ACO2 were performed. The affinity constant is below 1 pM.