

For Research Use Only

# ALDOB Monoclonal antibody

Catalog Number: 68396-1-Ig



## Basic Information

<b>Catalog Number:</b> 68396-1-Ig	<b>GenBank Accession Number:</b> BC029399	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 229	<b>CloneNo.:</b> 3D2E4
<b>Source:</b> Mouse	<b>Full Name:</b> aldolase B, fructose-bisphosphate	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 316 aa, 35 kDa	
<b>Immunogen Catalog Number:</b> AG12823	<b>Observed MW:</b> 35-40 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human, mouse, rat, rabbit

**Positive Controls:**  
WB : rat kidney tissue, human urine sample, rabbit liver tissue, rat liver tissue, mouse liver tissue, mouse kidney tissue

## Background Information

Fructose-1,6-bisphosphate aldolase is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Vertebrates have 3 aldolase isozymes, aldolase A (ALDOA), B (ALDOB), and C (ALDOC). Deficiency of this enzyme ALDOB causes an accumulation of fructose-1-phosphate after fructose intake, which results in toxic symptoms like vomiting, hypoglycemia, jaundice, elevated liver enzymes and hepatomegaly (PMID:22375183). This antibody may detect ALDOA.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

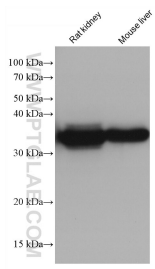
Aliquoting is unnecessary for -20°C storage

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

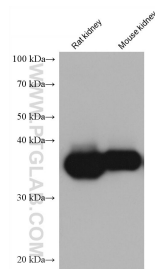
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68396-1-Ig (ALDOB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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