

For Research Use Only

# MAOB Recombinant monoclonal antibody, PBS Only

Catalog Number:86695-1-PBS



## Basic Information

<b>Catalog Number:</b> 86695-1-PBS	<b>GenBank Accession Number:</b> BC022494	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4129	<b>CloneNo.:</b> 251600B8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P27338	
<b>Isotype:</b> IgG	<b>Full Name:</b> monoamine oxidase B	
<b>Immunogen Catalog Number:</b> AG3253	<b>Calculated MW:</b> 520 aa, 59 kDa	
	<b>Observed MW:</b> 59 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

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

## Background Information

The MAOB gene encodes a 520-amino acid protein with a molecular mass of 58.8 kD and shows 70% amino acid identity to MAOA. MAOA and MAOB are present in the outer mitochondrial membrane in the central nervous system and peripheral tissues. A comparison of highly purified human placental MAOA and human liver MAOB revealed that the A form of the enzyme is larger by 2 kDa and only one potential N-glycosylation site exists in each protein, with each site in a different relevant position (PMID:3387449).

## Storage

**Storage:**  
Store at -80°C.

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

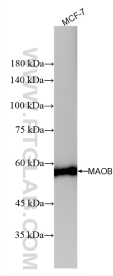
For technical support and original validation data for this product please contact:

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

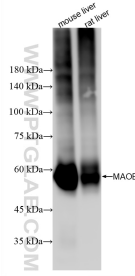
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

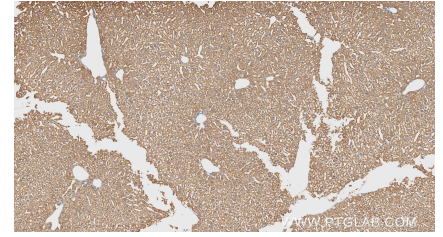
## Selected Validation Data



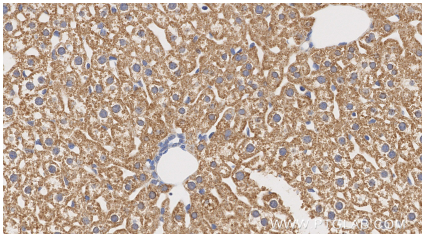
MCF-7 cells were subjected to SDS PAGE followed by western blot with 86695-1-RR (MAOB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86695-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 86695-1-RR (MAOB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86695-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 86695-1-RR (MAOB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86695-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 86695-1-RR (MAOB antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86695-1-PBS in a different storage buffer formulation.