

For Research Use Only

# MAOB Monoclonal antibody, PBS Only

Catalog Number: 66107-1-PBS



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>66107-1-PBS                      | <b>GenBank Accession Number:</b><br>BC022494 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>4129                | <b>CloneNo.:</b><br>2B12F3                            |
| <b>Source:</b><br>Mouse                                    | <b>UNIPROT ID:</b><br>P27338                 |   |
| <b>Isotype:</b><br>IgG1                                    | <b>Full Name:</b><br>monoamine oxidase B     |   |
| <b>Immunogen Catalog Number:</b><br>AG17918                | <b>Calculated MW:</b><br>520 aa, 59 kDa      |   |
|  | <b>Observed MW:</b><br>59 kDa                |   |

## Applications

**Tested Applications:**  
WB, IHC, IF-P, Indirect ELISA

**Species Specificity:**  
human, mouse

## 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

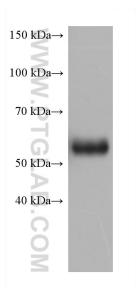
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

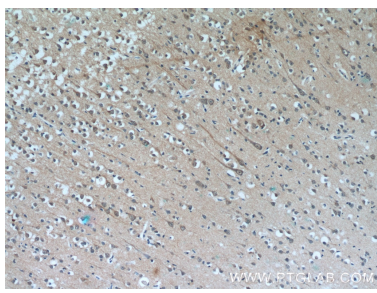
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

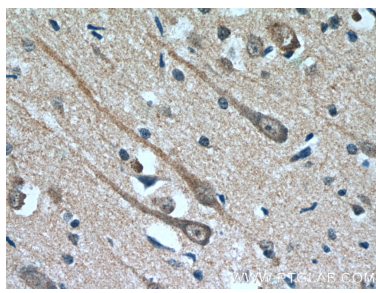
Selected Validation Data



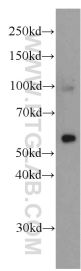
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



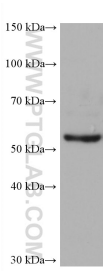
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50(under 10x lens). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



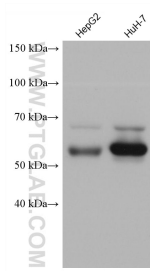
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50(under 40x lens). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



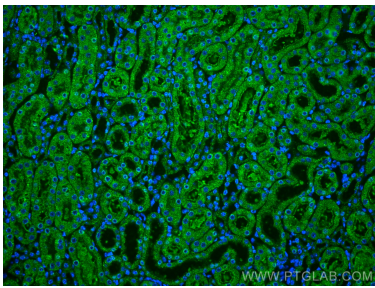
human brain tissue were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



HeLa cells were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using MAOB antibody (66107-1-Ig, Clone: 2B12F3 ) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.