

For Research Use Only

# MAOB Monoclonal antibody, PBS Only



Catalog Number: 66107-1-PBS

## Basic Information

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

## Applications

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

**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:

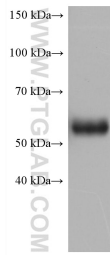
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

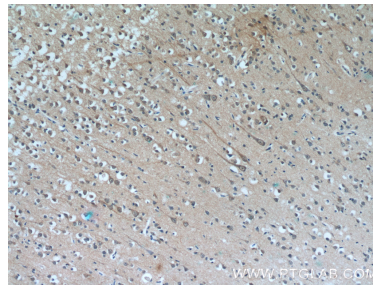
W: [ptgcn.com](http://ptgcn.com)

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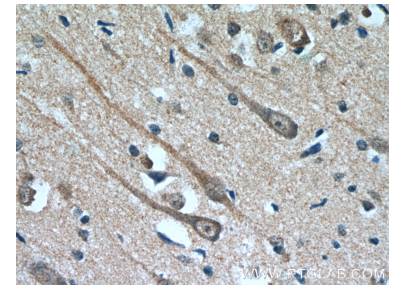
## Selected Validation Data



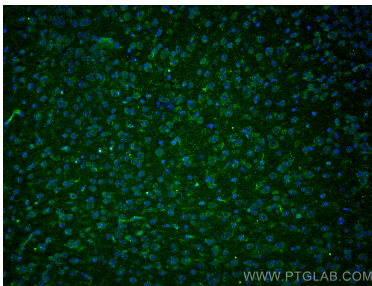
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



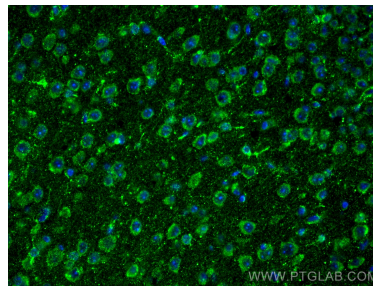
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



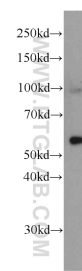
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



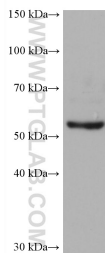
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MAOB antibody (66107-1-Ig, Clone: 2B12F3) at dilution of 1:40 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



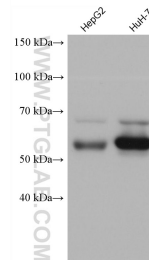
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MAOB antibody (66107-1-Ig, Clone: 2B12F3) at dilution of 1:40 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



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.