

For Research Use Only

MAOB Monoclonal antibody, PBS Only

Catalog Number: 66107-1-PBS



Basic Information

Catalog Number:

66107-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17918

GenBank Accession Number:

BC022494

GeneID (NCBI):

4129

UNIPROT ID:

P27338

Full Name:

monoamine oxidase B

Calculated MW:

520 aa, 59 kDa

Observed MW:

59 kDa

Purification Method:

Protein A purification

CloneNo.:

2B12F3

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

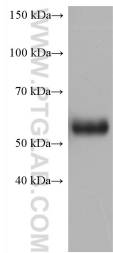
T: 4006900926

E: Proteintech-CN@ptglab.com

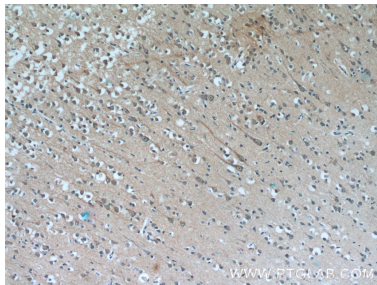
W: ptgcn.com

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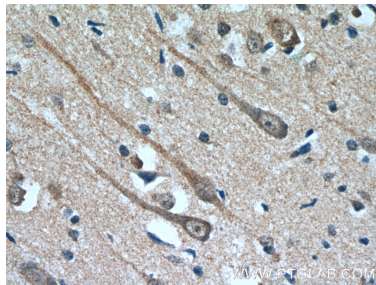
Selected Validation Data



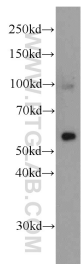
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



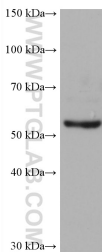
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50(under 10x lens). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



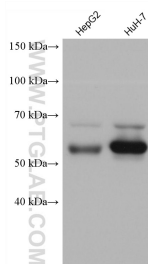
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50(under 40x lens). This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



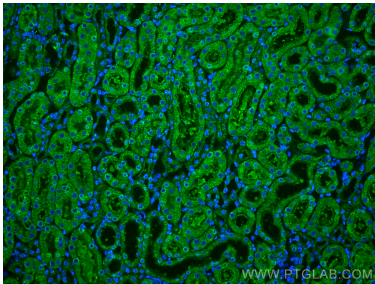
human brain tissue were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66107-1-PBS in a different storage buffer formulation.



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.