

For Research Use Only

# MAOB Monoclonal antibody

Catalog Number: 66107-1-Ig



## Basic Information

Catalog Number:

66107-1-Ig

Size:

733 ug/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

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:20-1:200

IF-P 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

**WB**: fetal human brain tissue, human brain tissue, human kidney tissue, HeLa cells, HepG2 cells, HuH-7 cells

**IHC**: human brain tissue,

**IF-P**: mouse kidney tissue,

## 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 -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

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

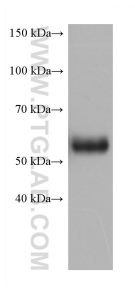
T: 4006900926

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

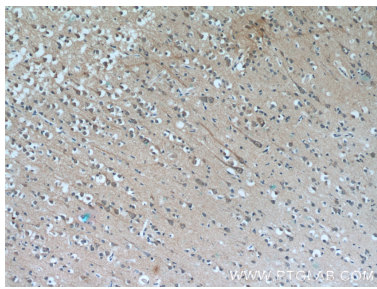
W: [ptgcn.com](http://ptgcn.com)

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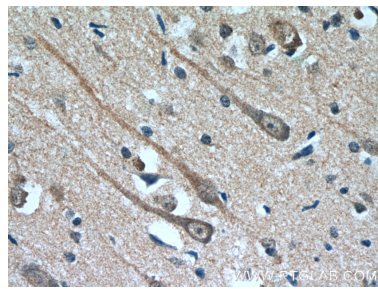
Selected Validation Data



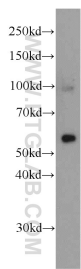
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



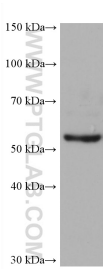
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50(under 10x lens).



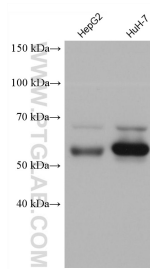
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50(under 40x lens).



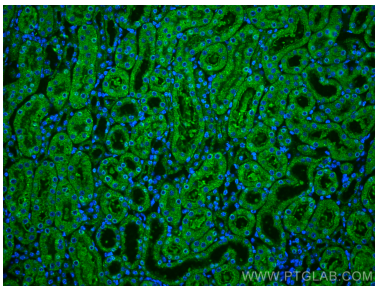
human brain tissue were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.



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.



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).