

For Research Use Only

# MAOB Polyclonal antibody

Catalog Number: 12602-1-AP

25 Publications



## Basic Information

### Catalog Number:

12602-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3253

### 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:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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** : L02 cells, mouse liver tissue, human liver tissue, rat liver tissue

**IP** : mouse liver tissue,

**IHC** : human gliomas 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Juyeon Jo	34633730	EMBO Rep	IF
Yinrui Guo	34045460	Transl Psychiatry	WB
Yangyang Wang	33855088	J Immunol Res	IHC

## 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

\*\*\* 20ul sizes contain 0.1% BSA

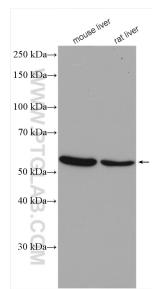
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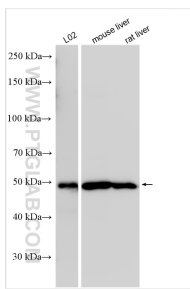
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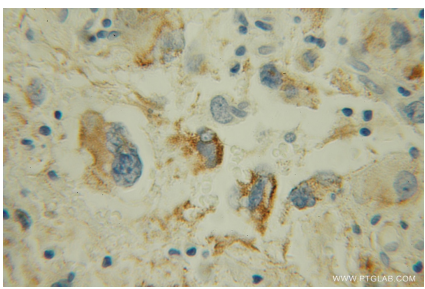
Selected Validation Data



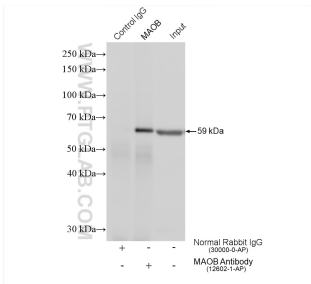
Various lysates were subjected to SDS PAGE followed by western blot with 12602-1-AP (MAOB antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 12602-1-AP (MAOB antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 12602-1-AP (MAOB antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-MAOB (IP:12602-1-AP, 4ug; Detection:12602-1-AP 1:4000) with mouse liver tissue lysate 1840 ug.