

For Research Use Only

MAOB Polyclonal antibody

Catalog Number: 12602-1-AP **16 Publications**



Basic Information

Catalog Number: 12602-1-AP	GenBank Accession Number: BC022494	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4129	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
Source: Rabbit	Full Name: monoamine oxidase B	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 520 aa, 59 kDa	
Immunogen Catalog Number: AG3253	Observed MW: 59 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : L02 cells, mouse liver tissue, human liver tissue, rat liver tissue
Cited Applications: IF, IHC, WB	IP : mouse liver tissue,
Species Specificity: human, mouse, rat	IHC : human gliomas tissue,
Cited Species: 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	

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

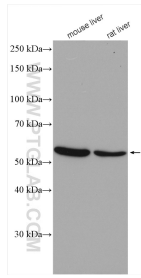
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

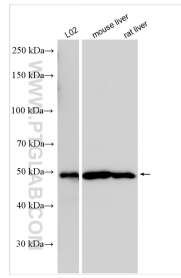
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

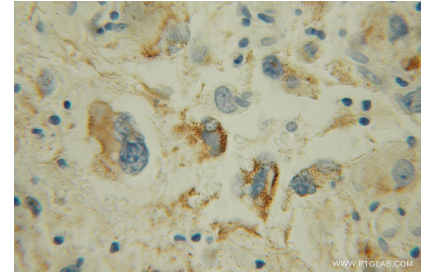
Selected Validation Data



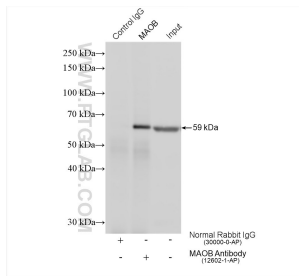
Various lysates were subjected to SDS PAGE followed by western blot with 12602-1-AP (MAOB antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.