

For Research Use Only

MAOB Monoclonal antibody

Catalog Number: 66107-1-Ig



Basic Information

Catalog Number: 66107-1-Ig	GenBank Accession Number: BC022494	Purification Method: Protein A purification
Size: 150ul , Concentration: 733 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4129	CloneNo.: 2B12F3
Source: Mouse	UNIPROT ID: P27338	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG1	Full Name: monoamine oxidase B	
Immunogen Catalog Number: AG17918	Calculated MW: 520 aa, 59 kDa	
	Observed MW: 59 kDa	

Applications

Tested Applications:
IF, IHC, WB, 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 : mouse brain 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

*** 20ul sizes contain 0.1% BSA

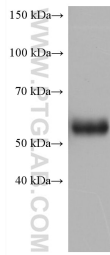
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

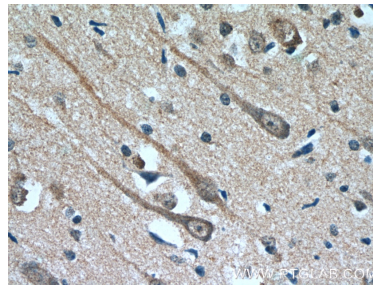
E: proteintech@ptglab.com
W: ptglab.com

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

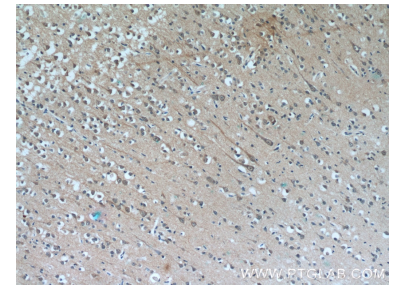
Selected Validation Data



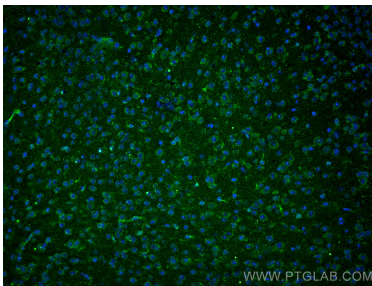
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66107-1-Ig (MAOB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



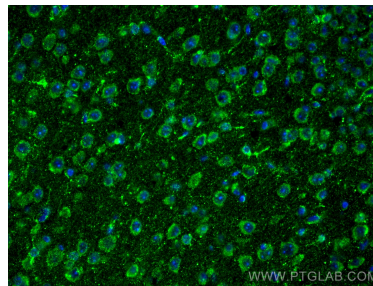
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50 (under 40x lens).



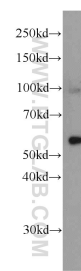
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66107-1-Ig (MAOB Antibody) at dilution of 1:50 (under 10x lens).



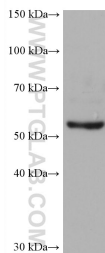
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MAOB antibody (66107-1-Ig, Clone: 2B12F3) at dilution of 1:40 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



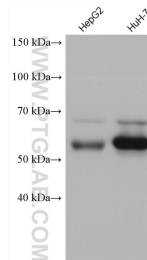
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MAOB antibody (66107-1-Ig, Clone: 2B12F3) at dilution of 1:40 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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.