

For Research Use Only

# MAOA Monoclonal antibody

Catalog Number: 68471-1-Ig



## Basic Information

<b>Catalog Number:</b> 68471-1-Ig	<b>GenBank Accession Number:</b> BC008064	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4128	<b>CloneNo.:</b> 1A9E4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P21397	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> monoamine oxidase A	
<b>Immunogen Catalog Number:</b> AG30028	<b>Calculated MW:</b> 60 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, FC (Intra), ELISA	<b>Positive Controls:</b> WB : K-562 cells, U2OS cells, LNCaP cells, Jurkat cells IHC : human pancreas cancer tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

MAOA belongs to the flavin monoamine oxidase family. It catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine.

## Storage

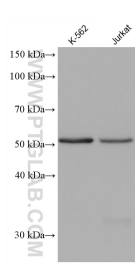
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

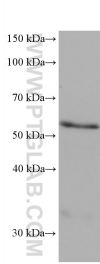
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

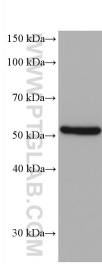
Selected Validation Data



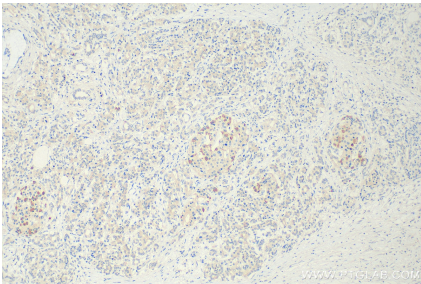
Various lysates were subjected to SDS PAGE followed by western blot with 68471-1-Ig (MAOA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



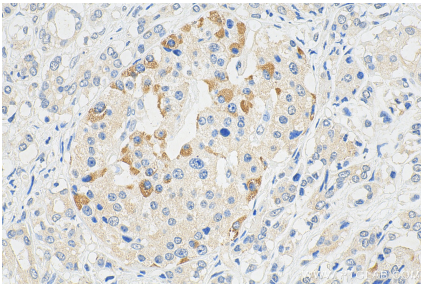
U2OS cells were subjected to SDS PAGE followed by western blot with 68471-1-Ig (MAOA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



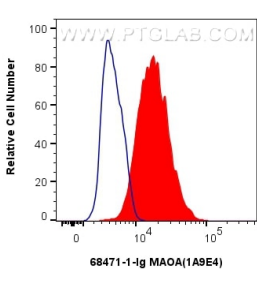
LNCaP cells were subjected to SDS PAGE followed by western blot with 68471-1-Ig (MAOA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 68471-1-Ig (MAOA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 68471-1-Ig (MAOA antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug MAOA Monoclonal antibody (68471-1-Ig, Clone:1A9E4) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).