

For Research Use Only

# MAOA Monoclonal antibody, PBS Only



Catalog Number: 68471-1-PBS

## Basic Information

<b>Catalog Number:</b> 68471-1-PBS	<b>GenBank Accession Number:</b> BC008064	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 4128	<b>CloneNo.:</b> 1A9E4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P21397	
<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

**Tested Applications:**  
ELISA, IHC, WB

**Species Specificity:**  
human

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

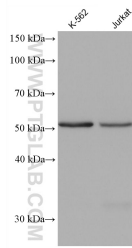
T: 4006900926

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

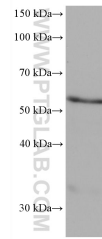
W: [ptgcn.com](http://ptgcn.com)

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

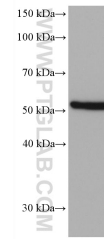
## Selected Validation Data



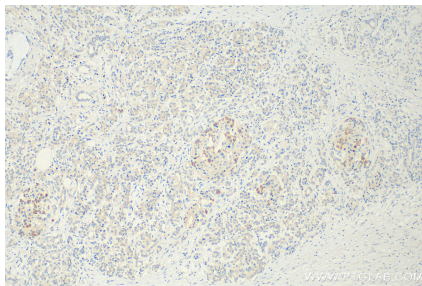
Various lysates were subjected to SDS PAGE followed by western blot with 68471-1-Ig (MAOA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68471-1-PBS in a different storage buffer formulation.



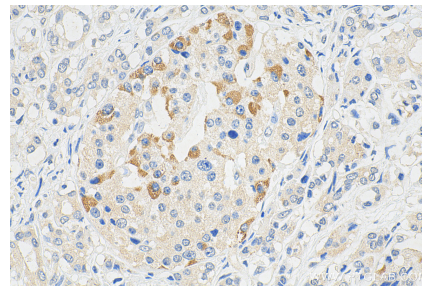
U2OS cells were subjected to SDS PAGE followed by western blot with 68471-1-Ig (MAOA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68471-1-PBS in a different storage buffer formulation.



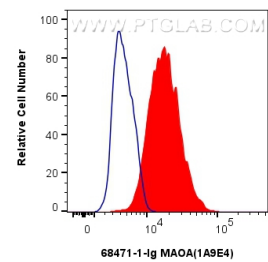
LNCaP cells were subjected to SDS PAGE followed by western blot with 68471-1-Ig (MAOA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68471-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68471-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68471-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.4 ug MAOA Monoclonal antibody (68471-1-Ig, Clone:1A9E4) and CoraLite@488-Conjugated AffiniPure 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). This data was developed using the same antibody clone with 68471-1-PBS in a

