

For Research Use Only

# PAOX Polyclonal antibody

Catalog Number: 18972-1-AP

6 Publications



## Basic Information

### Catalog Number:

18972-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5777

### GenBank Accession Number:

BC032778

### GeneID (NCBI):

196743

### UNIPROT ID:

Q6QHF9

### Full Name:

polyamine oxidase (exo-N4-amino)

### Calculated MW:

511 aa, 56 kDa

### Observed MW:

56 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### 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 : mouse pancreas tissue, human stomach tissue

IHC : mouse testis tissue,

## Background Information

PAOX, also known as PAO, belongs to the flavin monoamine oxidase family. PAOX is a FAD-dependent amine oxidase, which is constitutively expressed in nearly all tissues of the vertebrate organism. PAOX catalyzes the oxidation of N1-acetylspermine to spermidine and thus involved in the polyamine back-conversion. PAOX can also oxidize N1-acetylspermidine to putrescine. PAOX has 4 isoforms with the molecular weights of 7, 35, 52 and 56 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Katherine M Halloran	35098299	Biol Reprod	IHC
Leslie A Sandusky-Beltran	33586680	J Clin Invest	WB
Wanhui Wei	39103474	Sci Rep	WB

## 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

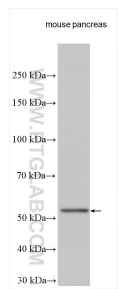
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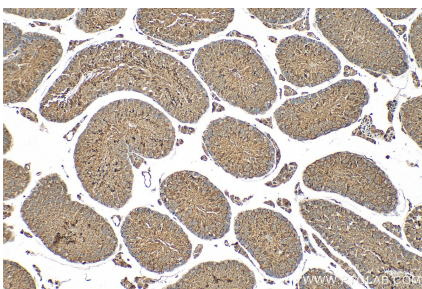
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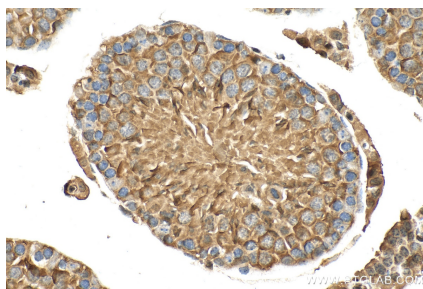
## Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 18972-1-AP (PAOX antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 18972-1-AP (PAOX antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 18972-1-AP (PAOX antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).