

For Research Use Only

PAOX Polyclonal antibody

Catalog Number: 18972-1-AP

6 Publications



Basic Information

Catalog Number:

18972-1-AP

Size:

400 µg/ml

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:

IHC, WB, 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

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

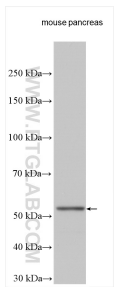
T: 4006900926

E: Proteintech-CN@ptglab.com

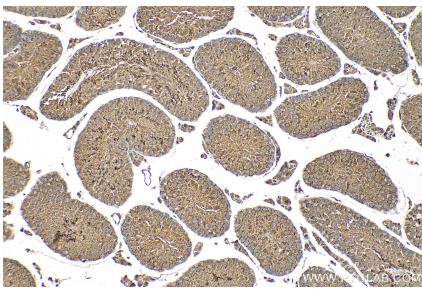
W: ptgcn.com

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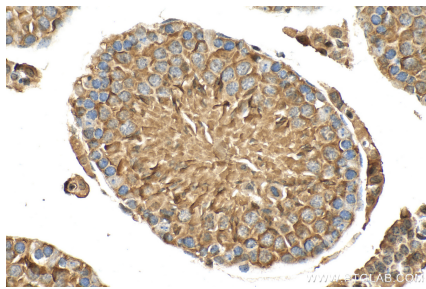
Selected Validation Data



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).