

For Research Use Only

PAOX Polyclonal antibody

Catalog Number: 18972-1-AP **4 Publications**



Basic Information

Catalog Number: 18972-1-AP	GenBank Accession Number: BC032778	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 160 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 196743	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Source: Rabbit	Full Name: polyamine oxidase (exo-N4-amino)	
Isotype: IgG	Calculated MW: 511 aa, 56 kDa	
Immunogen Catalog Number: AG5777	Observed MW: 56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse pancreas tissue, human stomach tissue IHC : mouse testis tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human, rat, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Miki Kato	37822765	PNAS Nexus	WB

Storage

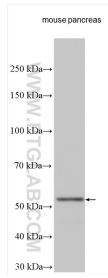
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

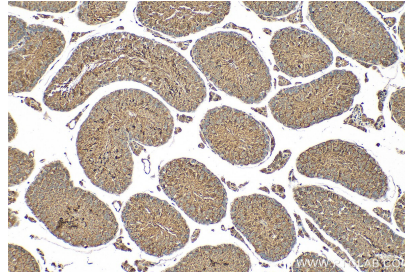
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

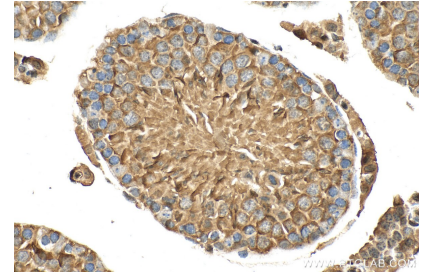
Selected Validation Data



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).