

For Research Use Only

# PAOX Polyclonal antibody, PBS Only

Catalog Number:18972-1-PBS



## Basic Information

<b>Catalog Number:</b> 18972-1-PBS	<b>GenBank Accession Number:</b> BC032778	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 196743	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6QHF9	
<b>Isotype:</b> IgG	<b>Full Name:</b> polyamine oxidase (exo-N4-amino)	
<b>Immunogen Catalog Number:</b> AG5777	<b>Calculated MW:</b> 511 aa, 56 kDa	
	<b>Observed MW:</b> 56 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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.

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

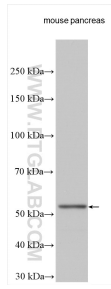
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## Selected Validation Data



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. This data was developed using the same antibody clone with 18972-1-PBS in a different storage buffer formulation.