

Rabbit anti-Human, Mouse PAOX Polyclonal Antibody | anti-PAOX antibody

PAOX Antibody

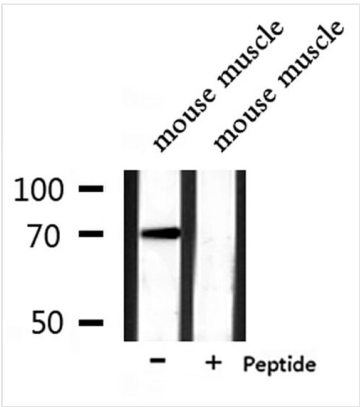
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328088	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

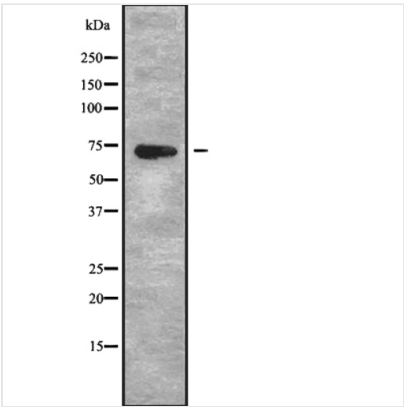
PAOX; Polyclonal Antibody; PAOX Antibody; DKFZp434J245; MGC45464; PAO; Peroxisomal N(1) acetyl spermine/spermidine oxidase; Peroxisomal N1 acetyl spermine/spermidine oxidase; Polyamine oxidase (exo N4 amino); Polyamine oxidase; RP11 122K13.11; anti-PAOX antibody

PRODUCT SPECIFICATIONS

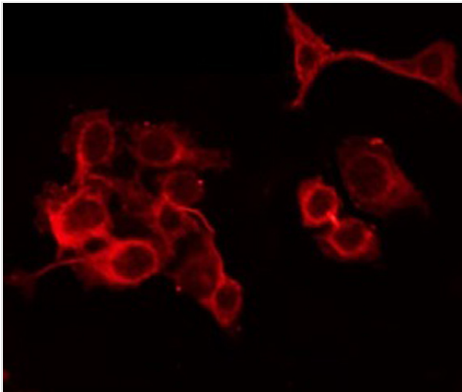
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PAOX antibody detects endogenous levels of total PAOX
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	511
Applicable Applications for anti-PAOX antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PAOX
Subcellular Location	Peroxisome. Cytoplasm.
Tissue Specificity	Widely expressed. Not detected in spleen. Expressed at lower level in neoplastic tissues.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit
Similarity	Bovine (91%), Horse (80%), Sheep (90%), Rabbit (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from mouse muscle, using PAOX Antibody.



WB (Western Blot)
Western blot analysis of PAOX using HuvEc whole cell lysates



IF (Immunofluorescence)
AAA328088 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PAOX antibody	Function: Flavoenzyme which catalyzes the oxidation of N1-acetylspermine to spermidine and is thus involved in the polyamine back-conversion. Can also oxidize N1-acetylspermidine to putrescine. Substrate specificity: N1-acetylspermine = N1-acetylspermidine > N1, N(12)-diacetylspermine > > spermine. Does not oxidize spermidine. Plays an important role in the regulation of polyamine intracellular concentration and has the potential to act as a determinant of cellular sensitivity to the antitumor polyamine analogs. Subunit Structure: Monomer. Similarity: Belongs to the flavin monoamine oxidase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23097272
NCBI GeneID	196743
NCBI Accession #	NP_690875.1
NCBI GenBank Nucleotide #	NM_152911.3
UniProt Accession #	Q6QHF9; Q5VWY0; Q6QHF5; Q6QHF6; Q6QHF7; Q6QHF8; Q6QHG0; Q6QHG1; Q6QHG2; Q6QHG3; Q6QHG4; D3DXI6
Molecular Weight	Observed: 70 kDa Predicted: 71 kDa

NCBI Official Full Name	peroxisomal N(1)-acetyl-spermine/spermidine oxidase isoform 1
NCBI Official Synonym Full Names	polyamine oxidase
NCBI Official Symbol	PAOX
NCBI Official Synonym Symbols	PAO
NCBI Protein Information	peroxisomal N(1)-acetyl-spermine/spermidine oxidase
UniProt Protein Name	Peroxisomal N(1)-acetyl-spermine/spermidine oxidase
UniProt Gene Name	PAOX
UniProt Synonym Gene Names	PAO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/paox-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/328088>