

## DATASHEET

# PAOX Rabbit Polyclonal Antibody

CAT. NO. APA08310

### KEY FEATURES

Target	PAOX	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Flavoenzyme which catalyzes the oxidation of N(1)-acetyl spermine to spermidine and is thus involved in the polyamine back-conversion -acetyl spermine to spermidine and is thus involved in the polyamine back-conversion . Can also oxidize N(1)-acetyl spermidine to putrescine. Substrate specificity: N(1)-acetyl spermine = N(1)-acetyl spermidine > N(1),N(12)-diacetyl spermine >> 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 .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

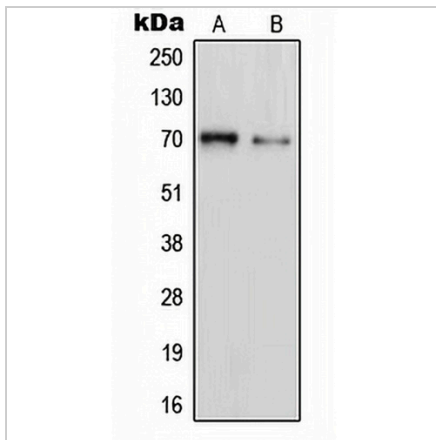
Description	Rabbit polyclonal antibody to PAOX
Specificity	Recognizes endogenous levels of PAOX protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PAOX. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 55 kD; Observed: 70 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	PAO; Peroxisomal N(1)-acetyl-spermine/spermidine oxidase; Polyamine oxidase
Gene Symbol	PAOX
Entrez Gene	196743(Human)
SwissProt	Q6QHF9(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of PAOX expression in Jurkat (A), HT1080 (B) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 70 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.