



[Go to Product page](#)

Datasheet for ABIN6264032

anti-PAOX antibody (Internal Region)

3 Images

Overview

Quantity:	100 µL
Target:	PAOX
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAOX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human PAOX, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	PAOX Antibody detects endogenous levels of total PAOX.
Predicted Reactivity:	Bovine,Horse,Sheep,Rabbit
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	PAOX
---------	------

Target Details

Alternative Name: PAOX ([PAOX Products](#))

Background: Description: 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.

Gene: PAOX

Molecular Weight: 70 kDa

Gene ID: 196743

UniProt: [Q6QHF9](#)

Application Details

Application Notes: WB 1:1000-3000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

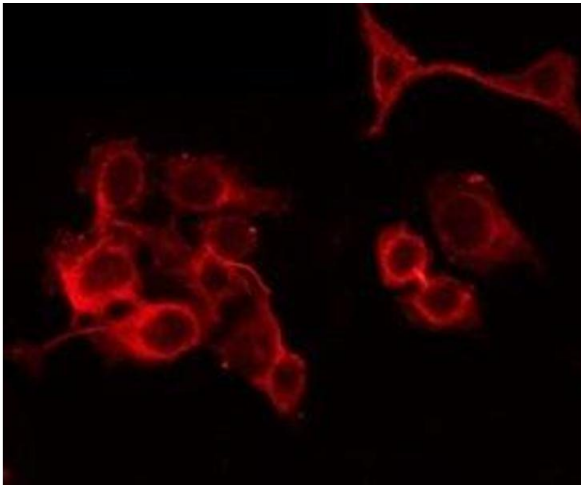
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

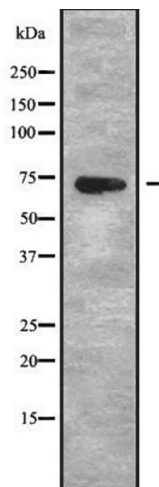
Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date: 12 months



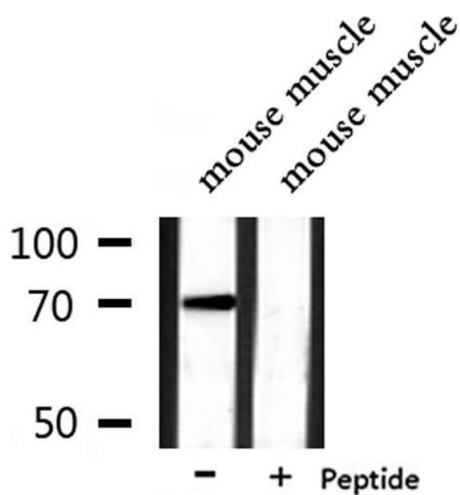
Immunofluorescence (fixed cells)

Image 1. ABIN6279648 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°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody



Western Blotting

Image 2. Western blot analysis of PAOX using HuvEc whole cell lysates



Western Blotting

Image 3. Western blot analysis of extracts from mouse muscle, using PAOX Antibody.