

PAOX Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06909
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from PAOX . at AA range: 260-340
Mol wt	70290
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	PAOX Antibody
Synonyms	PAOX; PAO; Peroxisomal N(1)-acetyl-spermine/spermidine oxidase; Polyamine oxidase

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

PAOX (Polyamine Oxidase (Exo-N4-Amino)) is a Protein Coding gene. Among its related pathways are Metabolism and cytochrome P450. Gene Ontology (GO) annotations related to this gene include receptor binding and polyamine oxidase activity. An important paralog of this gene is KDM1B. Flavoenzyme which catalyzes the oxidation of N(1)-acetylspermine to spermidine and is thus involved in the polyamine back-conversion. Can also oxidize N(1)-acetylspermidine to putrescine. Substrate specificity: n(1)-acetylspermine = N(1)-acetylspermidine > N(1),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.

Recommended Dilution

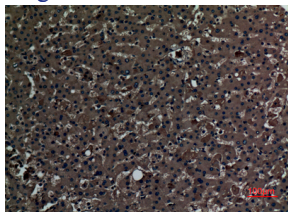
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 300

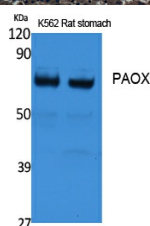
ELISA: 1: 40000

Not yet tested in other applications.

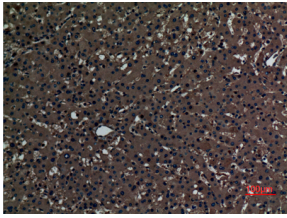
Images



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Western Blot analysis of extracts from rat stomach, K562 cells, using PAOX Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100

Storage

-20°C for one year

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