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PAOX Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5864c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6QHF9
Other Accession	NP_997010.1, NP_997011.1, NP_690875.1
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22189
Calculated MW	55513
Antigen Region	467-496

Additional Information

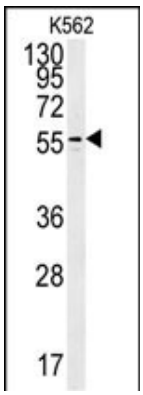
Gene ID	196743
Other Names	Peroxisomal N(1)-acetyl-spermine/spermidine oxidase, Polyamine oxidase, PAOX, PAO
Target/Specificity	This PAOX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 467-496 amino acids from the Central region of human PAOX.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PAOX Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

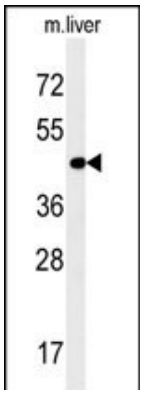
Name	PAOX
Synonyms	PAO

Function	Flavoenzyme which catalyzes the oxidation of N(1)- acetylspermine to spermidine and is thus involved in the polyamine back-conversion (PubMed:12477380). Can also oxidize N(1)- acetylspermidine to putrescine. Substrate specificity: N(1)- acetylspermine = N(1)-acetylspermidine > N(1),N(12)-diacylspermine >> 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 (PubMed:12477380).
Cellular Location	Peroxisome. Cytoplasm
Tissue Location	Widely expressed. Not detected in spleen. Expressed at lower level in neoplastic tissues.

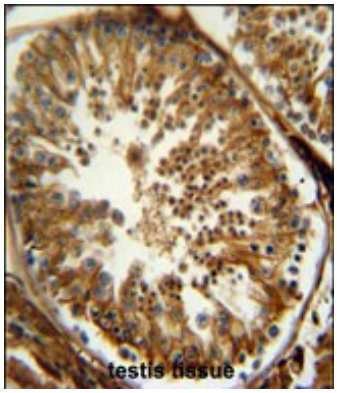
Images



PAOX Antibody (Center) (Cat. #AP5864c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the PAOX antibody detected the PAOX protein (arrow).



PAOX Antibody (Center) (Cat. #AP5864c) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the PAOX antibody detected the PAOX protein (arrow).



PAOX antibody (Center) (Cat. #AP5864c) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PAOX antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.