

Rabbit SMOX Polyclonal Antibody | anti-SMOX antibody

SMOX Antibody

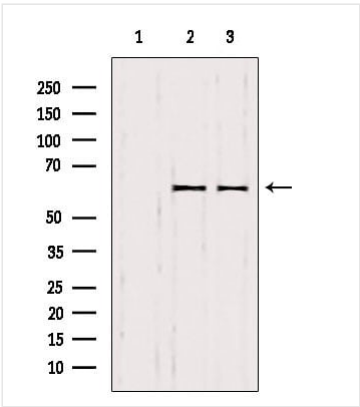
CATALOG # AAA323144	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

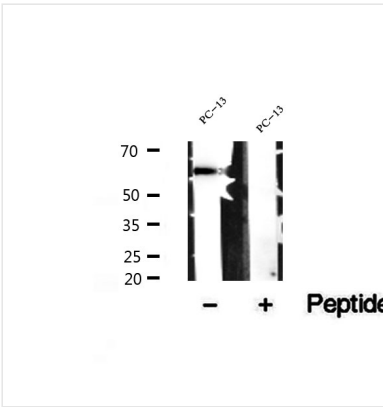
SMOX; Polyclonal Antibody; SMOX Antibody; C20orf16; Chromosome 20 open reading frame 16; Flavin containing amine oxidase; Flavin containing spermine oxidase; PAO 1; PAO; PAOH1; Polyamine oxidase 1; Putative cyclin G1 interacting protein; SMO; Spermine oxidase; anti-SMOX antibody

PRODUCT SPECIFICATIONS

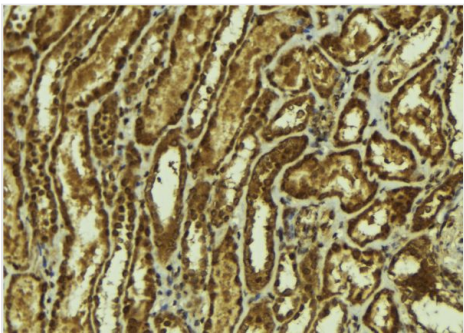
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SMOX antibody detects endogenous levels of SMOX.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	585
Applicable Applications for anti-SMOX antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SMOX.
Subcellular Location	Cytoplasmic and Nuclear
Tissue Specificity	Widely expressed. Expressed in human tumor cell lines. Isoform 4 is only found in an embryonal kidney cell line.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
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 various samples, using SMOX antibody. Lane 1: rat brain treated with blocking peptide. Lane 2: Rat brain; Lane 3: 293;



WB (Western Blot)
Western blot analysis of extracts of PC-13 cells, using SMOX antibody.



IHC (Immunohistochemistry)
AAA323144 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-SMOX antibody	Function: Flavoenzyme which catalyzes the oxidation of spermine to spermidine. Can also use N1-acetylspermine and spermidine as substrates, with different affinity depending on the isoform (isozyme) and on the experimental conditions. 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. May contribute to beta-alanine production via aldehyde dehydrogenase conversion of 3-amino-propanal. Similarity: Belongs to the flavin monoamine oxidase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	397739047
NCBI GeneID	54498
NCBI Accession #	NP_001257620.1
NCBI GenBank Nucleotide #	NM_001270691.1
UniProt Accession #	Q9NWM0; Q5TE26; Q5TE27; Q6UY28; Q8IX00; Q96LC3; Q96LC4; Q96QT3; A2A2P5; A2A2P6; A8BE87; D3DVZ4
Molecular Weight	Observed: 62 kDa Predicted: 62 kDa
NCBI Official Full Name	spermine oxidase isoform 6
NCBI Official Synonym Full Names	spermine oxidase

NCBI Official Symbol	SMOX
NCBI Official Synonym Symbols	PAO; SMO; PAO1; PAOH; PAO-1; PAOH1; C20orf16
NCBI Protein Information	spermine oxidase
UniProt Protein Name	Spermine oxidase
UniProt Gene Name	SMOX
UniProt Synonym Gene Names	C20orf16; SMO; PAO-1; PAOh1

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/smox-antibody-immunohistochemistry-western-blot-elisa/323144>