

Rabbit SMOX Polyclonal Antibody | anti-SMOX antibody

SMOX Polyclonal Antibody

CATALOG # AAA178928	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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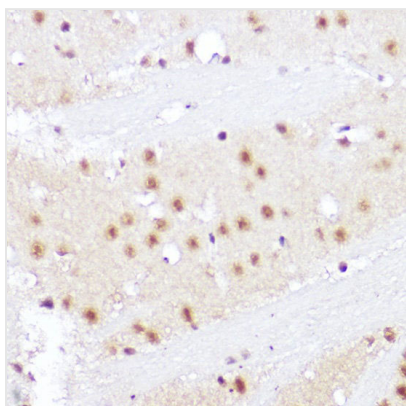
PRODUCT SYNONYMS

SMOX; Polyclonal Antibody; SMOX Polyclonal Antibody; C20orf16; PAO; PAO-1; PAO1; PAOH; PAOH1; SMO; anti-SMOX antibody

PRODUCT SPECIFICATIONS

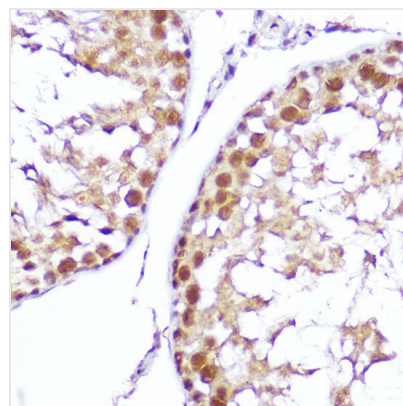
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-SMOX antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human SMOX
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



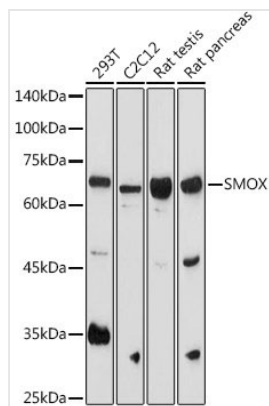
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using SMOX Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using SMOX Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines using SMOX Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-SMOX antibody

Polyamines are ubiquitous polycationic alkylamines which include spermine, spermidine, putrescine, and agmatine. These molecules participate in a broad range of cellular functions which include cell cycle modulation, scavenging reactive oxygen species, and the control of gene expression. These molecules also play important roles in neurotransmission through their regulation of cell-surface receptor activity, involvement in intracellular signalling pathways, and their putative roles as neurotransmitters. This gene encodes an FAD-containing enzyme that catalyzes the oxidation of spermine to spermidine and secondarily produces hydrogen peroxide. Multiple transcript variants encoding different isoenzymes have been identified for this gene, some of which have failed to demonstrate significant oxidase activity on natural polyamine substrates. The characterized isoenzymes have distinctive biochemical characteristics and substrate specificities, suggesting the existence of additional levels of complexity in polyamine catabolism.

Product Categories/Family for anti-SMOX antibody

[Antibodies](#); [Primary Antibodies](#); [Polyclonal Antibody](#)

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	61,819 Da
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; polyamine oxidase 1; flavin containing amine oxidase; flavin-containing spermine oxidase; putative cyclin G1 interacting protein
UniProt Protein Name	Spermine oxidase
UniProt Gene Name	SMOX
UniProt Synonym Gene Names	C20orf16; SMO; PAO-1; PAOh1
UniProt Entry Name	SMOX_HUMAN

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/smx-antibody-immunohistochemistry-western-blot-elisa/178928>