

Rabbit anti-Human AOX1 Polyclonal Antibody | anti-AOX1 antibody

AOX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301688	Rabbit	Human	Immunohistochemistry, Western Blot

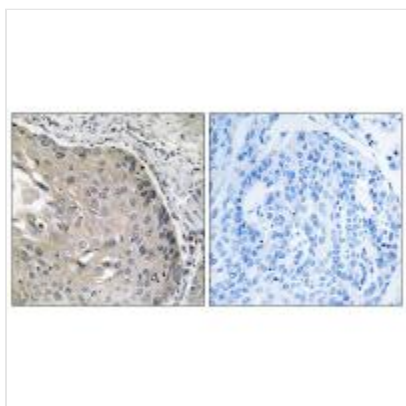
PRODUCT SYNONYMS

AOX1; Polyclonal Antibody; AOX1 Antibody; Aldehyde oxidase; EC 1.2.3.1; anti-AOX1 antibody

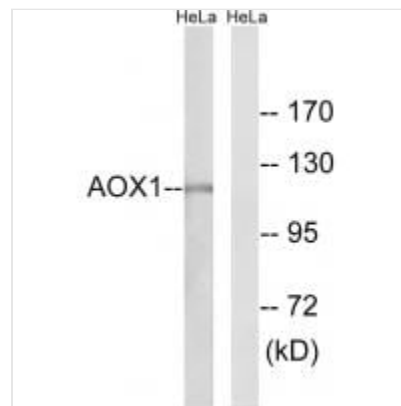
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total AOX1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1338
Applicable Applications for anti-AOX1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human AOX1.
Target Name	AOX1
Preparation and Storage	Store at -20 degree C

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using AOX1 antibody.


WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using AOX1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AOX1 antibody	Oxidase with broad substrate specificity, oxidizing aromatic azaheterocycles, such as N1-methylnicotinamide and N-methylphthalazinium, as well as aldehydes, such as benzaldehyde, retinal, pyridoxal, and vanillin. Plays a key role in the metabolism of xenobiotics and drugs containing aromatic azaheterocyclic substituents. Participates in the bioactivation of prodrugs such as famciclovir, catalyzing the oxidation step from 6-deoxypenciclovir to penciclovir, which is a potent antiviral agent. Is probably involved in the regulation of reactive oxygen species homeostasis. May be a prominent source of superoxide generation via the one-electron reduction of molecular oxygen. Also may catalyze nitric oxide (NO) production via the reduction of nitrite to NO with NADH or aldehyde as electron donor. May play a role in adipogenesis.Wright R.M., Proc. Natl. Acad. Sci. U.S.A. 90:10690-10694(1993).Wright R.M., Redox Rep. 3:135-144(1997).Hillier L.W., Nature 434:724-731(2005).
Product Categories/Family for anti-AOX1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	71773480
NCBI GeneID	316
NCBI Accession #	NP_001150.3
NCBI GenBank Nucleotide #	NM_001159.3
UniProt Accession #	Q06278; O14765; Q53RR8; Q53TV3; Q9BYF0; Q9UPG6
Molecular Weight	147,918 Da
NCBI Official Full Name	aldehyde oxidase
NCBI Official Synonym Full Names	aldehyde oxidase 1
NCBI Official Symbol	AOX1
NCBI Official Synonym Symbols	AO; AOH1
NCBI Protein Information	aldehyde oxidase
UniProt Protein Name	Aldehyde oxidase
UniProt Gene Name	AOX1
UniProt Synonym Gene Names	AO
UniProt Entry Name	AOXA_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/aox1-antibody-immunohistochemistry-western-blot-elisa/301688>