

**Product Name: AOX1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab06965**



## Summary

<b>Production Name</b>	AOX1 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,WB,ELISA
<b>Reactivity</b>	Human,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	AOX1
<b>Alternative Names</b>	AOX1; AO; Aldehyde oxidase
<b>Gene ID</b>	316.0
<b>SwissProt ID</b>	Q06278.The antiserum was produced against synthesized peptide derived from human AOX1. AA range:521-570

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000..
<b>Molecular Weight</b>	120kD

## Background

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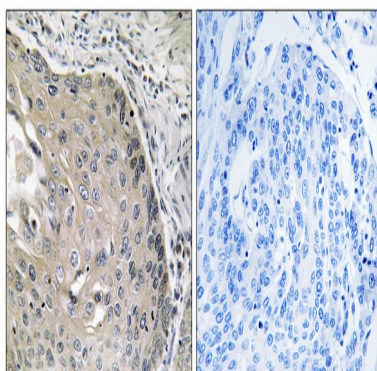


Aldehyde oxidase produces hydrogen peroxide and, under certain conditions, can catalyze the formation of superoxide. Aldehyde oxidase is a candidate gene for amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2008], catalytic activity: An aldehyde + H<sub>2</sub>O + O<sub>2</sub> = a carboxylic acid + H<sub>2</sub>O<sub>2</sub>., caution: Was originally (PubMed:8248161) thought to be a xanthine dehydrogenase., cofactor: Binds 2 2Fe-2S clusters., cofactor: FAD., cofactor: Molybdopterin., similarity: Belongs to the xanthine dehydrogenase family., similarity: Contains 1 2Fe-2S ferredoxin-type domain., similarity: Contains 1 FAD-binding PCMH-type domain., subunit: Homodimer., tissue specificity: Abundant in liver, lower levels in lung, skeletal muscle, pancreas. Undetected in heart, brain and kidney.,

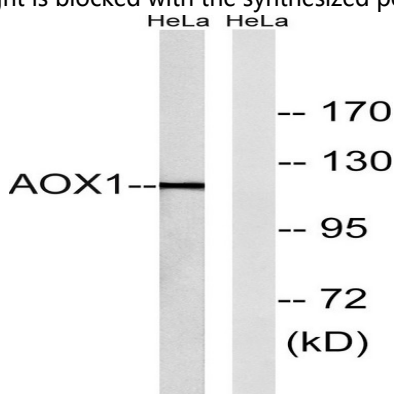
## Research Area

Valine; leucine and isoleucine degradation; Tyrosine metabolism; Tryptophan metabolism; Vitamin B6 metabolism; Nicotinate and nicotinamide metabolism; Drug metabolism;

## Image Data

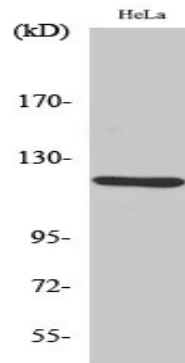


Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using AOX1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, using AOX1 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using AOX1 Polyclonal Antibody diluted at 1: 2000

**Note**

For research use only.