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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	120kDa

Antigen Information

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

Background

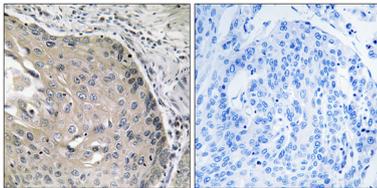
Aldehyde oxidase produces hydrogen peroxide and, under certain conditions, can catalyze the formation of superoxide.

Aldehyde oxidase is a candidate gene for amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2008],catalytic activity:An aldehyde + H(2)O + O(2) = a carboxylic acid + H(2)O(2),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.,

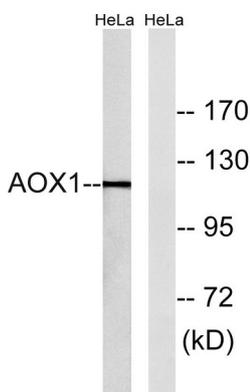
Research Area

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

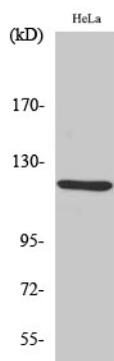
Image Data



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.



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