

产品名称: AOX1 Rabbit Polyclonal Antibody
产品货号: APRab06965



产品概述 (Summary)

产品名称 (Production Name)	AOX1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	120kDa

研究背景 (Background)

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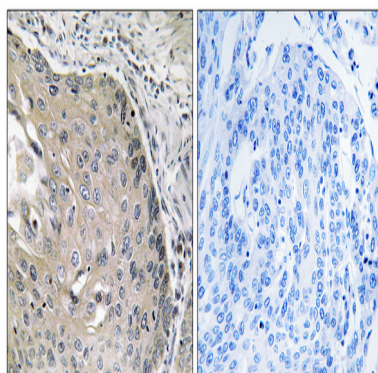


Aldehyde oxidase produces hydrogen peroxide and, under certain conditions, can catalyze the formation of superoxide. Aldehyde oxidase is a candidate gene for amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2008], catalytic activity: An aldehyde + H₂O + O₂ = a carboxylic acid + H₂O₂, caution: 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.

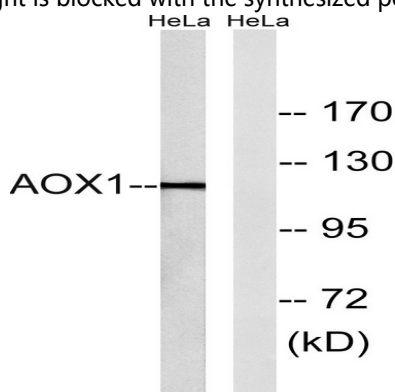
研究领域 (Research Area)

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

图片 (Image Data)

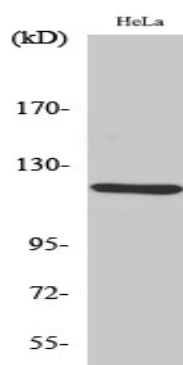


Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using AOX1 Antibody. The picture on the right is blocked with the synthesized peptide.



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

注意事项 (Note)

For research use only .