



AOX1 Monoclonal Antibody

Catalog No	YP-mAb-02498
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	AOX1
Immunogen	The antiserum was produced against synthesized peptide derived from human AOX1. AA range:521-570
Specificity	AOX1 Monoclonal Antibody detects endogenous levels of AOX1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:1.2.3.1;EC:1.17.3.-;Azaheterocycle hydroxylase;AOX1;AOX 1;Aldehyde oxidase;AO
Observed Band	120kD
Calculated Molecular Weight	120kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Abundant in liver, expressed in adipose tissue and at lower levels in lung, skeletal muscle, pancreas. In contrast to mice, no significant gender difference in AOX1 expression level (at protein level).
Function	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.,

**Background**

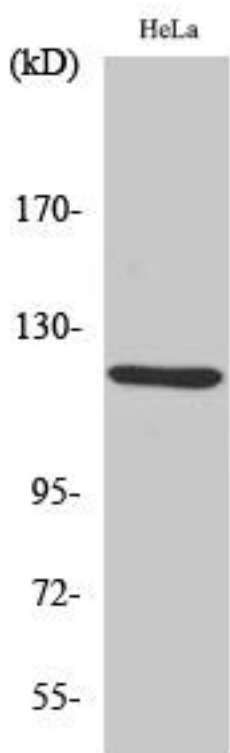
Aldehyde oxidase produces hydrogen peroxide and, under certain conditions, can catalyze the formation of superoxide. Aldehyde oxidase is a candidate gene for amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using AOX1 Monoclonal Antibody