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anti-CYP4A11 antibody

Images



Overview

Quantity:	100 μL
Target:	CYP4A11
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CYP4A11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Cytochrome P450 4A (CYP4A11) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Cytochrome P450 4A (CYP4A11) (CYP4A11)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CYP4A11
Alternative Name:	CYP4A11 (CYP4A11 Products)
Background:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The

cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and hydroxylates medium-chain fatty acids such as laurate and myristate. Multiple transcript variants have been found for this gene. [provided by RefSeq, Jan 2016], CP4Y, CYP4A2, CYP4AII, Cancer, Cardiovascular, Drug metabolism, Endocrine & Metabolism, Lipid Metabolism, Lipid Metabolism Cytochromes, Lipid Metabolism_Lipases,Lipids,Mitochondrial metabolism,Mitochondrial metabolism_Cytochromes,Mitochondrial metabolism_Mitochondrial markers,Signal Transduction, CYP4A11

Molecular Weight: 50kDa Gene ID: 1579 UniProt: Q02928 Pathways:

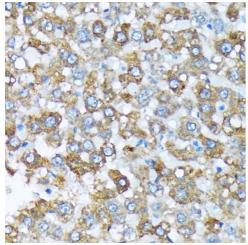
Regulation of Lipid Metabolism by PPARalpha, Monocarboxylic Acid Catabolic Process

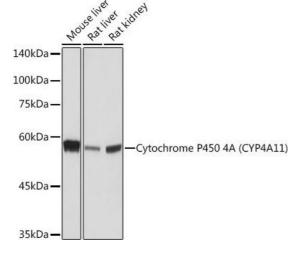
Application Details

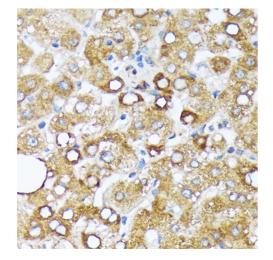
Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200 Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.







Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat liver using Cytochrome P450 4A (CYP4) (CYP4) Rabbit mAb (ABIN7266658) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Cytochrome P450 4A (CYP4) (CYP4) Rabbit mAb (ABIN7266658) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human liver using Cytochrome P450 4A (CYP4) (CYP4) Rabbit mAb (ABIN7266658) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 4 images are available for ABIN7266658.