

Datasheet for ABIN6139374
anti-CYP7A1 antibody (AA 20-280)



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Overview

Quantity:	100 µL
Target:	CYP7A1
Binding Specificity:	AA 20-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP7A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-280 of human CYP7A1 (NP_000771.2).
Sequence:	LILGIRRRQT GEPPLENGLI PYLGICALQFG ANPLEFLRAN QRKHGHVFTC KLMGKYVHFI TNPLSYHKVL CHGKYFDWKK FHFATSAKAF GHRSIDPMDG NTTENINDTF IKTLQGHALN SLTESMMENL QRIMRPPVSS NSKTAAWVTE GMYSFCYRVM FEAGYLTIFG RDLTRRDTQK AHILNNLDNF KQFDKVPAL VAGLPIHMFR TAHNAREKLA ESLRHENLQK RESISELISL RMFLNDTLST FDDLEKAKTH L
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CYP7A1
Alternative Name:	CYP7A1 (CYP7A1 Products)
Background:	<p>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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. Polymorphisms in the promoter of this gene are associated with defects in bile acid synthesis.,CYP7A1,CP7A,CYP7,CYPVII,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Cytochromes,Lipid Metabolism,Cholesterol Metabolism,Cytochromes,Lipases,Cardiovascular,Lipids,CYP7A1</p>
Molecular Weight:	57 kDa
Gene ID:	1581
UniProt:	P22680
Pathways:	Steroid Hormone Biosynthesis , Carbohydrate Homeostasis , Regulation of Lipid Metabolism by PPARalpha

Application Details

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

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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.