

Rabbit anti-Human CYP7A1 Polyclonal Antibody | anti-CYP7A1 antibody

CYP7A1 Antibody (N-term)

CATALOG # AAA290576	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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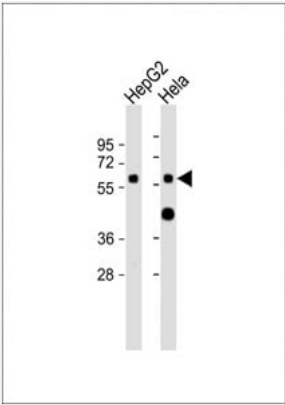
PRODUCT SYNONYMS

CYP7A1; Polyclonal Antibody; CYP7A1 Antibody (N-term); Purified Rabbit Polyclonal Antibody (Pab); Cholesterol 7-alpha-monooxygenase; CYPVII; Cholesterol 7-alpha-hydroxylase; Cytochrome P450 7A1; CYP7; anti-CYP7A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This CYP7A1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 27-58 amino acids from the N-terminal region of human CYP7A1.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	504
Applicable Applications for anti-CYP7A1 antibody	ELISA, WB (Western Blot)
Function	Catalyzes a rate-limiting step in cholesterol catabolism and bile acid biosynthesis by introducing a hydrophilic moiety at position 7 of cholesterol. Important for cholesterol homeostasis.
Cellular Location	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein
Tissue Location	Detected in liver.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
All lanes : Anti-CYP7A1 Antibody (N-term) at 1:2000 dilution
Lane 1: HepG2 whole cell lysates
Lane 2: HeLa whole cell lysates
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 58 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP7A1 antibody	Catalyzes a rate-limiting step in cholesterol catabolism and bile acid biosynthesis by introducing a hydrophilic moiety at position 7 of cholesterol. Important for cholesterol homeostasis.
Product Categories/Family for anti-CYP7A1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Nishimoto M.,et al.Biochim. Biophys. Acta 1172:147-150(1993). Noshiro M.,et al.FEBS Lett. 268:137-140(1990). Karam W.G.,et al.Biochem. Biophys. Res. Commun. 185:588-595(1992). Wang D.P.,et al.Genomics 20:320-323(1994). Molowa D.T.,et al.Biochemistry 31:2539-2544(1992).

NCBI AND UNIPROT INFORMATION

NCBI GI #	166295200
NCBI GeneID	1581
NCBI Accession #	NP_000771.2
NCBI GenBank Nucleotide #	NM_000780.3
UniProt Accession #	P22680; P78454; Q3MIL8; Q7KZ19
Molecular Weight	57661
NCBI Official Full Name	cholesterol 7-alpha-monooxygenase
NCBI Official Synonym Full Names	cytochrome P450, family 7, subfamily A, polypeptide 1
NCBI Official Symbol	CYP7A1
NCBI Official Synonym Symbols	CP7A; CYP7; CYPVII
NCBI Protein Information	cholesterol 7-alpha-monooxygenase
UniProt Protein Name	Cholesterol 7-alpha-monooxygenase
UniProt Gene Name	CYP7A1
UniProt Synonym Gene Names	CYP7
UniProt Entry Name	CP7A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cyp7a1-antibody-western-blot-elisa/290576>