

Rabbit Cytochrome P450 7A1 Polyclonal Antibody | anti-CYP7A1 antibody

Cytochrome P450 7A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323507	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 7A1; Polyclonal Antibody; Cytochrome P450 7A1 Antibody; Cholesterol 7 alpha hydroxylase; Cholesterol 7 alpha monooxygenase; Cholesterol 7-alpha-hydroxylase; Cholesterol 7-alpha-monooxygenase; CP7A; CP7A1_HUMAN; CYP 7; CYP7; CYP7A1; CYPVII; Cytochrome P450; family 7; subfamily A; polypeptide 1; subfamily VIIA (cholesterol 7 alpha monooxygenase); ; subfamily VIIA (cholesterol 7 alpha-monooxygenase); MGC126826; MGC138389; anti-CYP7A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 7A1 antibody detects endogenous levels of total Cytochrome P450 7A1
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	504
Applicable Applications for anti-CYP7A1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cytochrome P450 7A1, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)

AAA323507 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Cytochrome P450 7A1 expression in K562 cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP7A1 antibody

Description: 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.
Similarity: Belongs to the cytochrome P450 family.

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	58 kDa
NCBI Official Full Name	cholesterol 7-alpha-monooxygenase
NCBI Official Synonym Full Names	cytochrome P450 family 7 subfamily A member 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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cytochrome-p450-7a1-antibody-immunohistochemistry-western-blot-elisa/323507>