

Rabbit anti-Human, Mouse Cytochrome P450 39A1 Polyclonal Antibody | anti-CYP39A1 antibody

Cytochrome P450 39A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324271	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 39A1; Polyclonal Antibody; Cytochrome P450 39A1 Antibody; 24 hydroxycholesterol 7 alpha hydroxylase; 24-hydroxycholesterol 7-alpha-hydroxylase; CP39A_HUMAN; Cyp39a1; cytochrome P450 family 39; subfamily A polypeptide 1; cytochrome P450 subfamily XXXIX (oxysterol 7 alpha hydroxylase) polypeptide 1; Cytochrome P450; family 39; subfamily a; polypeptide 1; hCYP39A1; Oxysterol 7 alpha hydroxylase; Oxysterol 7-alpha-hydroxylase; oxysterol 7alpha hydroxylase; anti-CYP39A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 39A1 antibody detects endogenous levels of total Cytochrome P450 39A1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	449
Applicable Applications for anti-CYP39A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane. Microsome Membrane.
Tissue Specificity	Liver specific.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (100%), Dog (100%), Chicken (82%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324271 staining LOVO cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from LOVO cells using Cytochrome P450 39A1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP39A1 antibody	Function: Involved in the bile acid metabolism. Has a preference for 24-hydroxycholesterol, and converts it into a 7-alpha-hydroxylated product. Similarity: Belongs to the cytochrome P450 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	525313655
NCBI GeneID	51302
NCBI Accession #	NP_001265667.1
NCBI GenBank Nucleotide #	NM_001278738.1
UniProt Accession #	Q9NYL5; Q5VTT0; Q96FW5
Molecular Weight	Observed: 54 kD Predicted: 55 kDa
NCBI Official Full Name	24-hydroxycholesterol 7-alpha-hydroxylase isoform 2
NCBI Official Synonym Full Names	cytochrome P450 family 39 subfamily A member 1
NCBI Official Symbol	CYP39A1
NCBI Protein Information	24-hydroxycholesterol 7-alpha-hydroxylase
UniProt Protein Name	24-hydroxycholesterol 7-alpha-hydroxylase
UniProt Gene Name	CYP39A1
UniProt Synonym Gene Names	hCYP39A1

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.