

Rabbit anti-Human, Mouse Cytochrome P450 4X1 Polyclonal Antibody | anti-CYP4X1 antibody

Cytochrome P450 4X1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324275	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 4X1; Polyclonal Antibody; Cytochrome P450 4X1 Antibody; CYP4X1; Cytochrome P450; family 4; subfamily X; polypeptide 1; anti-CYP4X1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 4X1 antibody detects endogenous levels of total Cytochrome P450 4X1
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	508
Applicable Applications for anti-CYP4X1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum
Tissue Specificity	Expressed in brain, heart and kidney and, at lower levels, in skeletal muscle and liver. In the heart, very high level levels in aorta, but very levels in other heart regions.
Predicted Cross Reactivity	Dog
Similarity	Dog (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324275 staining Hela 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.



IHC (Immunohistochemistry)

AAA324275 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 extracts from COS7 cells, using Cytochrome P450 4X1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP4X1 antibody	Function: RH + [reduced NADPH--hemoprotein reductase] + O2 = ROH + [oxidized NADPH--hemoprotein reductase] + H2O. Similarity: Belongs to the cytochrome P450 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	998429236
NCBI GeneID	260293
NCBI Accession #	NP_001307218.1
NCBI GenBank Nucleotide #	NM_001320289.1
UniProt Accession #	Q8N118; Q5VVE5; Q6ZN67; Q8NAZ3; G3V1U1
Molecular Weight	Observed: 50 kD Predicted: 59 kDa
NCBI Official Full Name	cytochrome P450 4X1 isoform 2
NCBI Official Synonym Full Names	cytochrome P450 family 4 subfamily X member 1
NCBI Official Symbol	CYP4X1
NCBI Official Synonym Symbols	CYP1VX1
NCBI Protein Information	cytochrome P450 4X1
UniProt Protein Name	Cytochrome P450 4X1
UniProt Gene Name	CYP4X1

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.