

Rabbit anti-Human Cytochrome P450 4A11/22 Polyclonal Antibody | anti-CYP4A11 antibody

Cytochrome P450 4A11/22 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325381	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 4A11/22; Polyclonal Antibody; Cytochrome P450 4A11/22 Antibody; 20-HETE synthase; 20-hydroxyeicosatetraenoic acid synthase; CP4AB_HUMAN; CYP4A; Cyp4a1; Cyp4a10; CYP4A11; Cyp4a14; Cyp4a3; CYP4A7; CYP4A11; CYP4A11; Cytochrome P-450HK-omega; Cytochrome P450 4A1; Cytochrome P450 4A10; Cytochrome P450 4A11; Cytochrome P450 4A14; Cytochrome P450 4A2; Cytochrome P450 4A3; Cytochrome P450 4A7; Cytochrome P450HL-omega; Fatty acid omega-hydroxylase; Lauric acid omega-hydroxylase; anti-CYP4A11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 4A11/22 antibody detects endogenous levels of total Cytochrome P450 4A11/22
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	519
Applicable Applications for anti-CYP4A11 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane. Microsome Membrane.
Tissue Specificity	Kidney and liver.
Predicted Cross Reactivity	Bovine, Dog
Similarity	Bovine (82%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO205 using CYTOCHROME P450 4A11/22 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325381 staining COLO205 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.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP4A11 antibody	Function: Catalyzes the omega-and (omega-1)-hydroxylation of various fatty acids such as laurate, myristate and palmitate. Has little activity toward prostaglandins A1 and E1. Oxidizes arachidonic acid to 20-hydroxyeicosatetraenoic acid (20-HETE). Similarity: Belongs to the cytochrome P450 family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	158937242
NCBI GeneID	1579
NCBI Accession #	NP_000769.2
NCBI GenBank Nucleotide #	NM_000778.3
UniProt Accession #	Q02928; Q06766; Q16865; Q16866; Q5VSP8; Q86SU6; Q8IWY5
Molecular Weight	Observed: 60 kD Predicted: 60 kDa
NCBI Official Full Name	cytochrome P450 4A11 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 4 subfamily A member 11
NCBI Official Symbol	CYP4A11
NCBI Official Synonym Symbols	CP4Y; CYP4A2; CYP4AII; CYPIVA11
NCBI Protein Information	cytochrome P450 4A11
UniProt Protein Name	Cytochrome P450 4A11
UniProt Gene Name	CYP4A11
UniProt Synonym Gene Names	CYP4A2; 20-HETE synthase

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-p450-4a11-22-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325381>