

Rabbit Cytochrome P450 1A1/2 Polyclonal Antibody | anti-CYP1A1 antibody

Cytochrome P450 1A1/2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321965	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 1A1/2; Polyclonal Antibody; Cytochrome P450 1A1/2 Antibody; AHH; AHRR; Aryl hydrocarbon hydroxylase; CP11; CP1A1_HUMAN; CYP 1; CYP1; cyp1a1; CYPIA1; Cytochrome P1 450 dioxin inducible; Cytochrome P1-450; Cytochrome P450 1A1; Cytochrome P450 family 1 subfamily A polypeptide 1; Cytochrome P450 form 6; Cytochrome P450 subfamily I (aromatic compound inducible) polypeptide 1; Cytochrome P450-C; Cytochrome P450-P1; Flavoprotein-linked monooxygenase; Microsomal monooxygenase; P1 450; P450 C; P450 form 6; P450 P1; P450DX; Xenobiotic monooxygenase; CP 12; CP12; CP1A2_HUMAN; CYP1A2; CYPIA2; Cytochrome P(3)450; Cytochrome P450 1A2; Cytochrome P450 4; Cytochrome P450 family 1 polypeptide 2; Cytochrome P450 family 1 subfamily A polypeptide 2; Cytochrome P450 subfamily I aromatic compound inducible polypeptide 2; Cytochrome P450-P3; Cytochrome P4501A2; Dioxin inducible P3 450; Flavoprotein linked monooxygenase; P(3)450; P3 450; P450 4; P450 form 4; P450 P3; P450(PA); anti-CYP1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 1A1/2 antibody detects endogenous levels of total Cytochrome P450 1A1/2
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	512
Applicable Applications for anti-CYP1A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cytochrome P450 1A1/2
Subcellular Location	Endoplasmic Reticulum Membrane. Microsome Membrane.
Tissue Specificity	Lung, lymphocytes and placenta.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (80%)
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 Cytochrome P450 1A1/2 expression in RAW264.7 cells. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321965 staining Hela 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1A1 antibody	Description: Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Similarity: Belongs to the cytochrome P450 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503199
NCBI GeneID	1543
NCBI Accession #	NP_000490.1
NCBI GenBank Nucleotide #	NM_000499.5
UniProt Accession #	P04798; Q53G18; A4F3V9; A4F3W0
Molecular Weight	Observed: 58 kDa Predicted: 59 kDa
NCBI Official Full Name	cytochrome P450 1A1 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 1 subfamily A member 1
NCBI Official Symbol	CYP1A1
NCBI Official Synonym Symbols	AHH; AHRR; CP11; CYP1; CYP1A1; P1-450; P450-C; P450DX
NCBI Protein Information	cytochrome P450 1A1
UniProt Protein Name	Cytochrome P450 1A1
UniProt Gene Name	CYP1A1

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://stage.aaabiotech.com/polyclonal/cytochrome-p450-1a1-2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321965>