

Rabbit anti-Human Cytochrome P450 2A6 Polyclonal Antibody | anti-CYP2A6 antibody

Cytochrome P450 2A6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324258	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 2A6; Polyclonal Antibody; Cytochrome P450 2A6 Antibody; Coumarin 7 hydroxylase; Coumarin 7-hydroxylase; CP2A6_HUMAN; CPA6; CYP2A; CYP2A3; CYP2A6; CYP1A6; Cytochrome P450 1A3; Cytochrome P450 subfamily 1A (phenobarbital inducible) polypeptide 6; Cytochrome P450(I); Cytochrome P450; family 2 subfamily A polypeptide 6; Flavoprotein linked monooxygenase; P450C2A; P450PB; Xenobiotic monooxygenase; anti-CYP2A6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 2A6 antibody detects endogenous levels of total Cytochrome P450 2A6
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	494
Applicable Applications for anti-CYP2A6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane. Microsome Membrane.
Tissue Specificity	Liver.
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 Jurkat cells, using Cytochrome P450 2A6 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324258 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.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2A6 antibody	Function: Exhibits a high coumarin 7-hydroxylase activity. Can act in the hydroxylation of the anti-cancer drugs cyclophosphamide and ifosphamide. Competent in the metabolic activation of aflatoxin B1. Constitutes the major nicotine C-oxidase. Acts as a 1, 4-cineole 2-exo-monooxygenase. Possesses low phenacetin O-deethylation activity. Similarity: Belongs to the cytochrome P450 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189339233
NCBI GeneID	1548
NCBI Accession #	NP_000753.3
NCBI GenBank Nucleotide #	NM_000762.5
UniProt Accession #	P11509; P00190; P10890; Q16803; Q4VAT9; Q4VAU0; Q4VAU1; Q9H1Z7; Q9UCU0; Q9UK48; A7YAE5; B2R7F6
Molecular Weight	Observed: 56 kD Predicted: 57 kDa
NCBI Official Full Name	cytochrome P450 2A6
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily A member 6
NCBI Official Symbol	CYP2A6
NCBI Official Synonym Symbols	CPA6; CYP2A; CYP2A3; P450PB; CYP1IA6; P450C2A
NCBI Protein Information	cytochrome P450 2A6
UniProt Protein Name	Cytochrome P450 2A6
UniProt Gene Name	CYP2A6
UniProt Synonym Gene Names	CYP2A3

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.