

Rabbit anti-Human Cytochrome P450 2B6 Polyclonal Antibody | anti-CYP2B6 antibody

Cytochrome P450 2B6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321159	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 2B6; Polyclonal Antibody; Cytochrome P450 2B6 Antibody; 1; 4 cineole 2 exo monooxygenase; 11B1; CP2B6_HUMAN; CPB 6; CPB6; CYP 2B6; CYP IIB6; CYP2B; CYP2B6; CYP2B7; CYP2B7P; CYP11B6; Cytochrome P450 family 2 subfamily B; Cytochrome P450 family 2 subfamily B polypeptide 6; Cytochrome P450 IIB1; Cytochrome P450 phenobarbital inducible; Cytochrome P450 subfamily IIB (phenobarbital inducible); Cytochrome P450 subfamily IIB (phenobarbital inducible) polypeptide 6; Cytochrome P450 subfamily IIB polypeptide 6; EFVM; IIB1; P450; P450 IIB1; P450IIB1; anti-CYP2B6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 2B6 antibody detects endogenous levels of Cytochrome P450 2B6
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	491
Applicable Applications for anti-CYP2B6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cytochrome P450 2B6
Subcellular Location	Endoplasmic Reticulum Membrane. Microsome Membrane.
Tissue Specificity	Expressed in liver, lung and heart right ventricle.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321159 staining HT29 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 on HT29 cell lysate using Cytochrome P450 2B6 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2B6 antibody	Description: This gene, CYP2B6, encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and its expression is induced by phenobarbital. The enzyme is known to metabolize some xenobiotics, such as the anti-cancer drugs cyclophosphamide and ifosphamide. Transcript variants for this gene have been described; however, it has not been resolved whether these transcripts are in fact produced by this gene or by a closely related pseudogene, CYP2B7. Both the gene and the pseudogene are located in the middle of a CYP2A pseudogene found in a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. Function: 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. Acts as a 1, 4-cineole 2-exo-monooxygenase. Post-translational Modifications: Phosphorylation is accompanied by a decrease in enzyme activity. Similarity: Belongs to the cytochrome P450 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7949031
NCBI GeneID	1555
NCBI Accession #	NP_000758.1
NCBI GenBank Nucleotide #	NM_000767.5
UniProt Accession #	P20813; Q2V565; Q9UK46; B4DWP3
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	cytochrome P450 2B6
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily B member 6
NCBI Official Symbol	CYP2B6
NCBI Official Synonym Symbols	CPB6; EFVM; IIB1; P450; CYP2B; CYP2B7; CYP2B7P; CYP1IB6
NCBI Protein Information	cytochrome P450 2B6
UniProt Protein Name	Cytochrome P450 2B6
UniProt Gene Name	CYP2B6

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.