

Rabbit anti-Human CYP2B6 Polyclonal Antibody | anti-CYP2B6 antibody

CYP2B6 Antibody (Center)

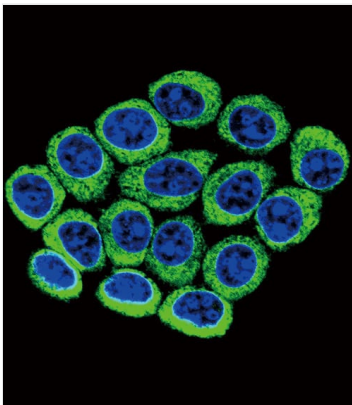
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288318	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

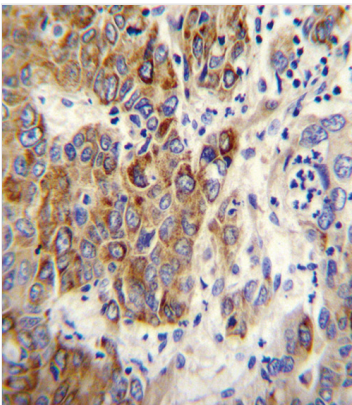
CYP2B6; Polyclonal Antibody; CYP2B6 Antibody (Center); Cytochrome P450 2B6; 11413-; 4-cineole 2-exo-monooxygenase; CYP11B6; Cytochrome P450 I1B1; anti-CYP2B6 antibody

PRODUCT SPECIFICATIONS

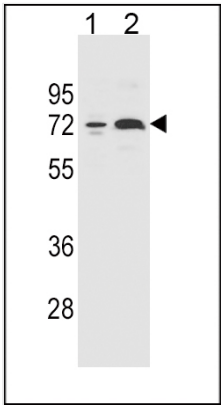
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP2B6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-263 amino acids from the Central region of human CYP2B6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.36 (varies by lot)
Sequence Positions	235-263
Sequence Length	491
Applicable Applications for anti-CYP2B6 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of CYP2B6 Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohiostchemistry)
CYP2B6 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CYP2B6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CYP2B6 Antibody (Center) western blot analysis in 293(lane 1) and K562(lane 2) cell line lysates (35ug/lane).This demonstrates the CYP2B6 antibody detected the CYP2B6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2B6 antibody	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.
Product Categories/Family for anti-CYP2B6 antibody	Cardiovascular; Metabolism; Signal transduction

References	Figueroa, S.C., et al. Ther Drug Monit 32(5):579-585(2010) Chou, M., et al. Antimicrob. Agents Chemother. 54(10):4432-4439(2010) Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Bunten, H., et al. Clin. Pharmacol. Ther. 88(3):383-389(2010) Gounden, V., et al. AIDS Res Ther 7, 32 (2010) :
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7949031
NCBI GeneID	1555
NCBI Accession #	NP_000758.1
NCBI GenBank Nucleotide #	NM_000767.4
UniProt Accession #	P20813; Q2V565; Q9UK46; B4DWP3
Molecular Weight	56278
NCBI Official Full Name	cytochrome P450 2B6
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily B, polypeptide 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
UniProt Entry Name	CP2B6_HUMAN

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/cyp2b6-antibody-immunohistochemistry-western-blot-immunofluorescence-elisa/288318>