Rabbit CYP2D6 Polyclonal Antibody | anti-CYP2D6 antibody

CYP2D6 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287854	**Rabbit**	**Human (Predicted Reactivity: Rat)**	**Immunohistochemistry, ELISA, Western Blot**

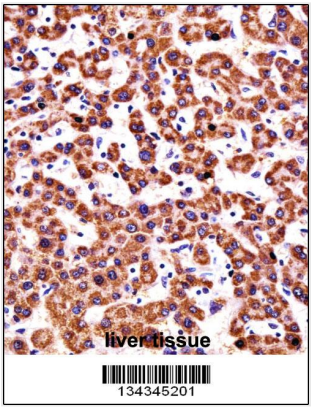
PRODUCT SYNONYMS

CYP2D6; Polyclonal Antibody; CYP2D6 Antibody (N-term); Cytochrome P450 2D6; CYPIID6; Cytochrome P450-DB1; Debrisoquine 4-hydroxylase; CYP2DL1; anti-CYP2D6 antibody

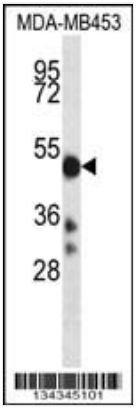
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP2D6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-105 amino acids from the N-terminal region of human CYP2D6.
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: 0.5 (varies by lot)
Sequence Positions	76-105
Sequence Length	446
Applicable Applications for anti-CYP2D6 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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.

IMAGES



IHC (Immunohiostchemistry)
CYP2D6 Antibody (N-term) (AAA287854)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CYP2D6 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CYP2D6 Antibody (N-term) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the CYP2D6 antibody detected the CYP2D6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2D6 antibody	This gene 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 is known to metabolize as many as 20% of commonly prescribed drugs. Its substrates include debrisoquine, an adrenergic-blocking drug; sparteine and propafenone, both anti-arrythmic drugs; and amitryptiline, an anti-depressant. The gene is highly polymorphic in the population; certain alleles result in the poor metabolizer phenotype, characterized by a decreased ability to metabolize the enzyme's substrates. The gene is located near two cytochrome P450 pseudogenes on chromosome 22q13.1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-CYP2D6 antibody	Cardiovascular; Metabolism; Signal transduction
References	Abduljalil, K., et al. Clin. Pharmacol. Ther. 88(5):643-651(2010) Novalbos, J., et al. J Clin Psychopharmacol 30(5):504-511(2010) Thompson, A.M., et al. Breast Cancer Res. Treat. (2010) In press : Gonzalez-Tejera, G., et al. P R Health Sci J 29(3):299-304(2010) Abraham, J.E., et al. Breast Cancer Res. 12 (4), R64 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	392513721
NCBI GeneID	1565
NCBI Accession #	NP_000097.3; NP_001020332.2
NCBI GenBank Nucleotide #	NM_000106.5
UniProt Accession #	P10635; Q16752; Q2XND6; Q2XND7; Q2XNE0; Q6B012; Q6NXU8
Molecular Weight	55769
NCBI Official Full Name	cytochrome P450 2D6 isoform 1
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily D, polypeptide 6

NCBI Official Symbol	CYP2D6
NCBI Official Synonym Symbols	CPD6; CYP2D; CYP2DL1; CYPIID6; P450C2D; P450DB1; CYP2D7AP; CYP2D7BP; CYP2D7P2; CYP2D8P2; P450-DB1
NCBI Protein Information	cytochrome P450 2D6
UniProt Protein Name	Cytochrome P450 2D6
UniProt Gene Name	**CYP2D6**
UniProt Synonym Gene Names	CYP2DL1
UniProt Entry Name	CP2D6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/cyp2d6-antibody-immunohistochemistry-western-blot-elisa/287854