

Rabbit anti-Human Cytochrome P450 2D6 Monoclonal Antibody | anti-P450 antibody

Anti-Cytochrome P450 2D6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA265714	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

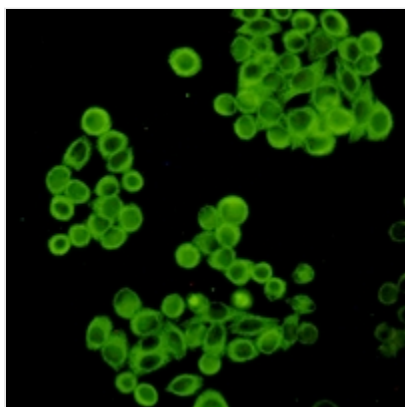
PRODUCT SYNONYMS

Cytochrome P450 2D6; Monoclonal Antibody; Anti-Cytochrome P450 2D6 Antibody; anti-P450 antibody

PRODUCT SPECIFICATIONS

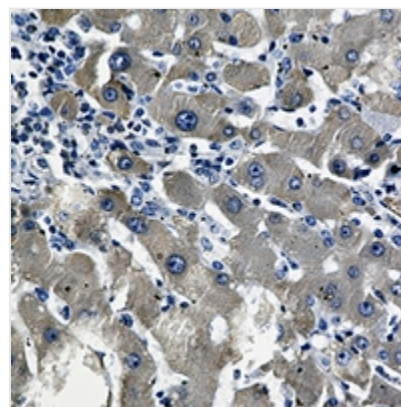
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of Cytochrome P450 2D6 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 50mM Tris-Glycine (pH7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.
Applicable Applications for anti-P450 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CYP2D6
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



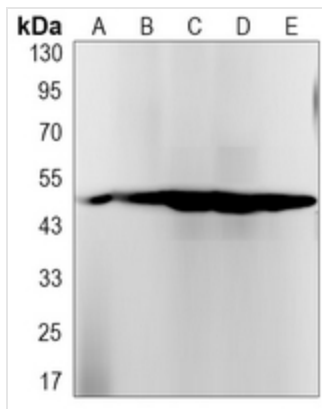
IF (Immunofluorescence)

Immunofluorescent analysis of Cytochrome P450 2D6 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of Cytochrome P450 2D6 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.73). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of Cytochrome P450 2D6 expression in Hela (A), A549 (B), HL60 (C), U251 (D), U87MG (E) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 50 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-P450 antibody	Rabbit monoclonal antibody to Cytochrome P450 2D6
Product Categories/Family for anti-P450 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	392513721
NCBI GeneID	1565
NCBI Accession #	NP_000097.3
NCBI GenBank Nucleotide #	NM_000106.5
UniProt Accession #	P10635; Q16752; Q2XND6; Q2XND7; Q2XNE0; Q6B012; Q6NXU8
Molecular Weight	55,769 Da
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; CYP1ID6; P450C2D; P450DB1; CYP2D7AP; CYP2D7BP; CYP2D7P2; CYP2D8P2; P450-DB1
NCBI Protein Information	cytochrome P450 2D6; cytochrome P450-DB1; microsomal monooxygenase; xenobiotic monooxygenase; debrisoquine 4-hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, family 2, subfamily D, polypeptide 7 pseudogene 2; cytochrome P450, family 2, sub
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.