

Rabbit anti-Human Cytochrome P450 2D6 Monoclonal Antibody | anti-CYP2D6 antibody

Cytochrome P450 2D6 Antibody

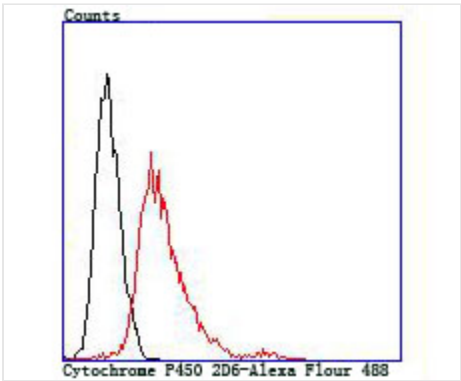
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30368	Rabbit	Human	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

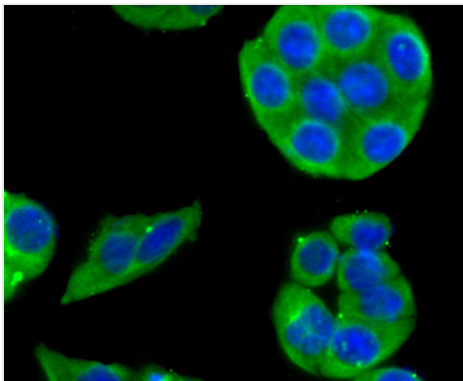
Cytochrome P450 2D6; Monoclonal Antibody; Cytochrome P450 2D6 Antibody; CPD6 antibody; CYP2D antibody; CYP2D6 antibody; CYP2D7AP antibody; CYP2D7BP antibody; CYP2D7P2 antibody; CYP2D8P2 antibody; CYP2DL1 antibody; CYP11D6 antibody; Cytochrome P450 DB1 antibody; Cytochrome P450 family 2 subfamily D member 6 antibody; Cytochrome P450 family 2 subfamily D polypeptide 6 antibody; Debrisoquine 4 hydroxylase antibody; Flavoprotein linked monooxygenase antibody; Microsomal monooxygenase antibody; P450 DB1 antibody; P450C2D antibody; P450DB1 antibody; Xenobiotic monooxygenase antibody; anti-CYP2D6 antibody

PRODUCT SPECIFICATIONS

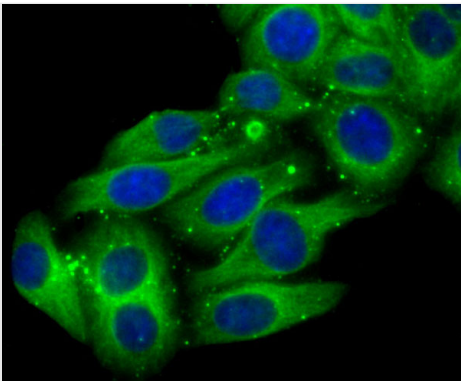
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JM44-23
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CYP2D6 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



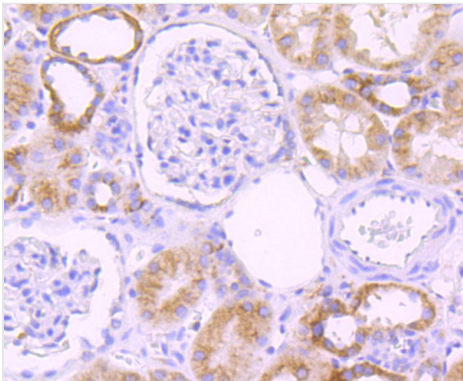
FCM (Flow Cytometry)
Flow cytometric analysis of SW480 cells with Cytochrome P450 2D6 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



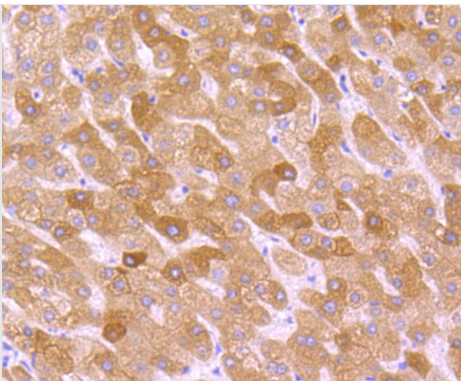
ICC (Immunocytochemistry)
ICC staining Cytochrome P450 2D6 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



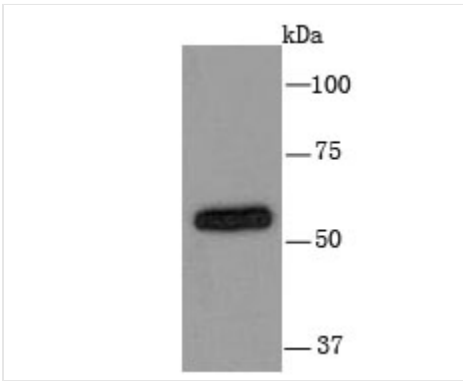
ICC (Immunocytochemistry)
ICC staining Cytochrome P450 2D6 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Cytochrome P450 2D6 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Cytochrome P450 2D6 antibody. Counter stained with hematoxylin.



WB (Western Blot)
Western blot analysis of Cytochrome P450 2D6 on HepG2 cell using anti-Cytochrome P450 2D6 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP2D6 antibody	The P450II family comprises at least five subfamilies, designated A through E by the system of nomenclature recommended by an international committee. The P450IID subfamily comprises at least two genes in the rat, one of which is highly specific for debrisoquine 4-hydroxylase activity. An association of this gene with lung cancer has been found. Enhanced CYP2D6 activity has been related to malignancies of the bladder, liver, pharynx and stomach, and especially to cigarette-smoking-induced lung cancer. The data suggests that enhanced CYP2D6-mediated metabolism of one or more dietary and other environmental agents, to form a reactive intermediate, plays a role in cancer initiation and/or promotion in various tissues. CYP2D6 polymorphism, which is responsible for the variation in metabolism of debrisoquine 4-hydroxylase, is important in the metabolism of more than 30 drugs and environmental chemicals, including as much as 20% of all commonly prescribed drugs. The gene which encodes CYP2D6 maps to human chromosome 22q13.1.
Product Categories/Family for anti-CYP2D6 antibody	Total protein Ab

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytochrome-p450-2d6-antibody-clone-jm44-23-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/30368>