

Cytochrome P450 2D6 Rabbit mAb

Catalog No: #49620

Package Size: #49620-1 50ul #49620-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

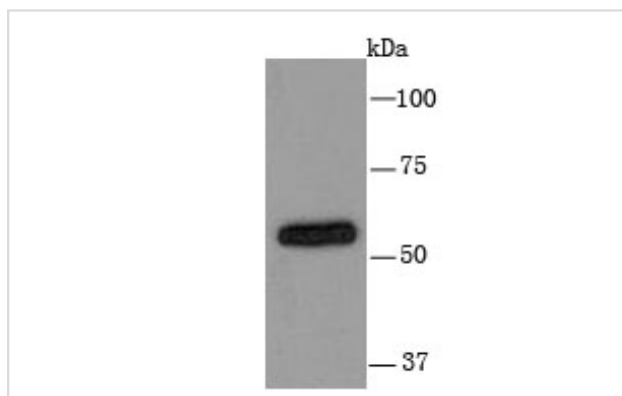
Description

Product Name	Cytochrome P450 2D6 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM44-23
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	CPD6 antibody CYP2D antibody CYP2D6 antibody CYP2D7AP antibody CYP2D7BP antibody CYP2D7P2 antibody CYP2D8P2 antibody CYP2DL1 antibody CYP1D6 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
Accession No.	Swiss-Prot#:P10635
Uniprot	P10635
GeneID	1565;
Calculated MW	56 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

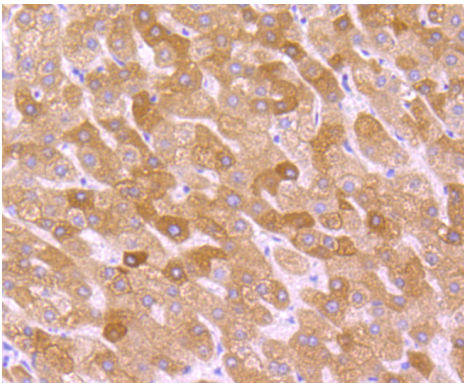
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

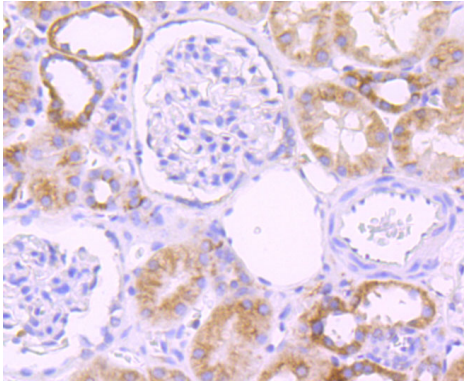
Images



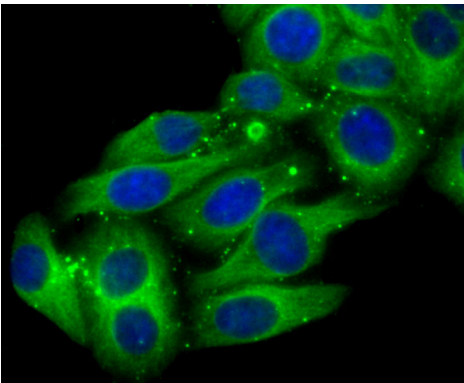
Western blot analysis of Cytochrome P450 2D6 on HepG2 cell using anti-Cytochrome P450 2D6 antibody at 1/1,000 dilution.



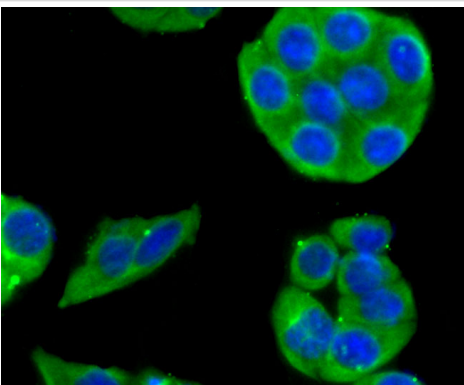
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Cytochrome P450 2D6 antibody. Counter stained with hematoxylin.



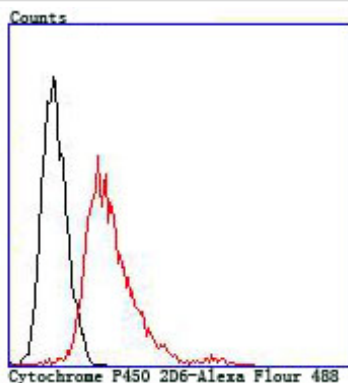
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Cytochrome P450 2D6 antibody. Counter stained with hematoxylin.



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.



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.



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).

Background

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.

References

Note: This product is for in vitro research use only