

Rabbit anti-Human CYP1B1 Polyclonal Antibody | anti-CYP1B1 antibody

CYP1B1 Polyclonal Antibody

CATALOG # AAA294594	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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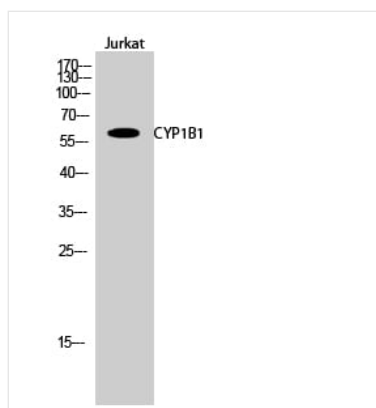
PRODUCT SYNONYMS

CYP1B1; Polyclonal Antibody; CYP1B1 Polyclonal Antibody; Cytochrome P450 1B1; CYP1B1; anti-CYP1B1 antibody

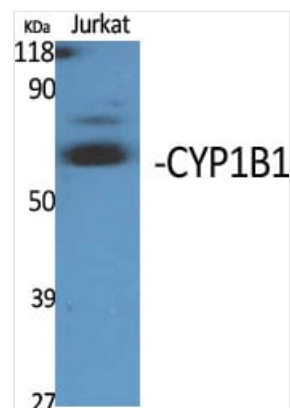
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Applicable Applications for anti-CYP1B1 antibody	WB (Western Blot)
Notes	ECO:0000303 PubMed:8910454, ECO:0000312 HGNC: HGNC:2597
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

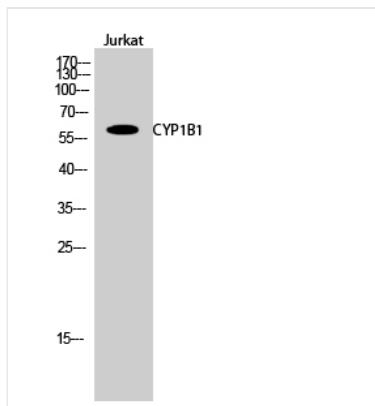
IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

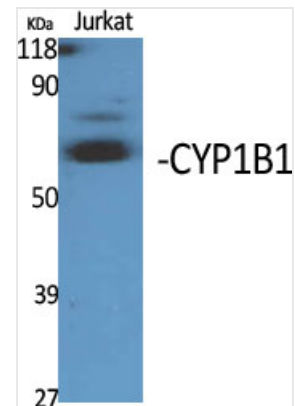

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ADDITIONAL INFORMATION

Related Product Information for anti-CYP1B1 antibody

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, retinoid and xenobiotics. Preferentially oxidizes 17 β -estradiol to the carcinogenic 4-hydroxy derivative, and a variety of procarcinogenic compounds to their activated forms, including polycyclic aromatic hydrocarbons. Promotes angiogenesis by removing cellular oxygenation products, thereby decreasing oxidative stress, release of antiangiogenic factor THBS2, then allowing endothelial cells migration, cell adhesion and capillary morphogenesis. These changes are concomitant with the endothelial nitric oxide synthase activity and nitric oxide synthesis. Plays an important role in the regulation of perivascular cell proliferation, migration, and survival through modulation of the intracellular oxidative state and NF-kappa-B expression and/or activity, during angiogenesis. Contributes to oxidative homeostasis and ultrastructural organization and function of trabecular meshwork tissue through modulation of POSTN expression.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189491763
NCBI GeneID	1545
NCBI Accession #	NP_000095.2
NCBI GenBank Nucleotide #	NM_000104.3
UniProt Accession #	Q16678 ; Q5TZW8 ; Q93089 ; Q9H316
Molecular Weight	60,846 Da
NCBI Official Full Name	cytochrome P450 1B1
NCBI Official Synonym Full Names	cytochrome P450, family 1, subfamily B, polypeptide 1
NCBI Official Symbol	CYP1B1
NCBI Official Synonym Symbols	CP1B; GLC3A; CYPIB1; P4501B1
NCBI Protein Information	cytochrome P450 1B1; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily I (dioxin-inducible), polypeptide 1 (glaucoma 3, primary infantile)
UniProt Protein Name	Cytochrome P450 1B1
UniProt Gene Name	CYP1B1
UniProt Entry Name	CP1B1_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.

