

CYP1B1 Polyclonal Antibody | anti-CYP1B1 antibody

Anti-CYP1B1 Antibody

CATALOG # AAA46484	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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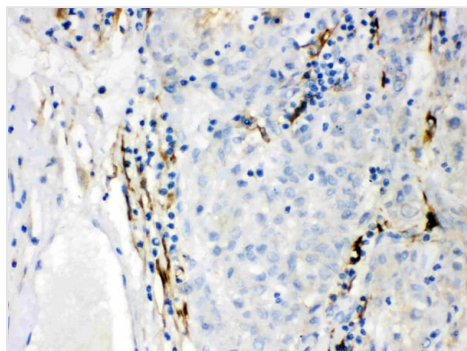
PRODUCT SYNONYMS

CYP1B1; Polyclonal Antibody; Anti-CYP1B1 Antibody; Cytochrome P450 1B1; Aryl hydrocarbon hydroxylase; CP1B; CP1B1_HUMAN; Cyp1b1; CYP1B1; Cytochrome P450 family 1 subfamily B polypeptide 1; Cytochrome P450 subfamily I (dioxin inducible) polypeptide 1 (glaucoma 3 primary infantile); Flavoprotein linked monooxygenase; GLC3A; Microsomal monooxygenase; P4501B1; Xenobiotic monooxygenase; cytochrome P450; family 1; subfamily B; polypeptide 1; anti-CYP1B1 antibody

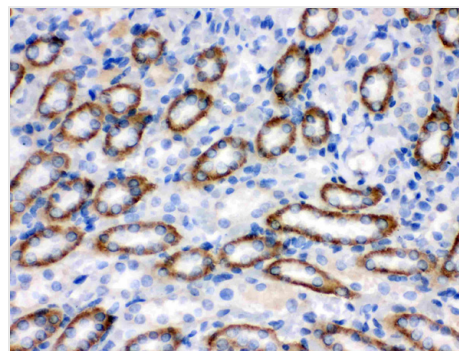
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	No cross-reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	543
Applicable Applications for anti-CYP1B1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CYP1B1 recombinant protein (Position: R255-L480). Human CYP1B1 shares 85.4% and 84.5% amino acid (aa) sequence identity with mouse and rat CYP1B1, respectively.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20°C. After reconstitution, store at 4°C. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

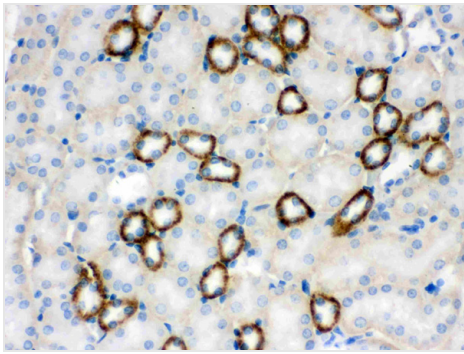
IMAGES



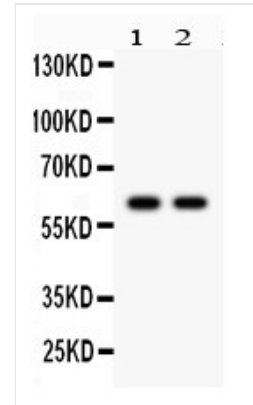
IHC (Immunohistochemistry)
Anti- CYP1B1 Picoband antibody, AAA46484,IHC(P)IHC(P): Human Liver Cancer Tissue



IHC (Immunohistochemistry)
Anti- CYP1B1 Picoband antibody, AAA46484,IHC(P)IHC(P): Rat Kidney Tissue



IHC (Immunohistochemistry)
Anti- CYP1B1 Picoband antibody, AAA46484,IHC(P)IHC(P): Mouse Kidney Tissue



WB (Western Blot)
Anti- CYP1B1 Picoband antibody, AAA46484, Western blottingAll lanes: Anti CYP1B1 (AAA46484) at 0.5ug/mlLane 1: Rat Kidney Tissue Lysate at 50ugLane 2: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 61KDObserved bind size: 61KD

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1B1 antibody	Cytochrome P450 1B1 is an enzyme that in humans is encoded by the CYP1B1 gene. CYP1B1 belongs to the the cytochrome P450 superfamilyof enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis ofcholesterol, steroids and other lipids. The enzyme encoded by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogenssuch as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been associated with primary congenital glaucoma;therefore it is thought that the enzyme also metabolizes a signaling molecule involved in eye development, possibly a steroid.
References	1. "Entrez Gene: cytochrome P450". 2. Bailey LR, Roodi N, Dupont WD, Parl FF (1998). "Association of cytochrome P450 1B1 (CYP1B1) polymorphism with steroid receptor status in breast cancer.". Cancer Res. 58 (22): 5038-41. 3. Michels-Rautenstrauss KG, Mardin CY, Zenker M et al. (2002). "Primary congenital glaucoma: three case reports on novel mutations and combinations of mutations in the GLC3A (CYP1B1) gene.". J. Glaucoma 10 (4): 354-7.

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
NCBI Official Full Name	cytochrome P450 1B1
NCBI Official Synonym Full Names	cytochrome P450 family 1 subfamily B member 1
NCBI Official Symbol	CYP1B1
NCBI Official Synonym Symbols	CP1B; GLC3A; CYPIB1; P4501B1
NCBI Protein Information	cytochrome P450 1B1
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.

