

Cytochrome P450 1B1 Monoclonal Antibody | anti-CYP1B1 antibody

Cytochrome P450 1B1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314340	Recombinant Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

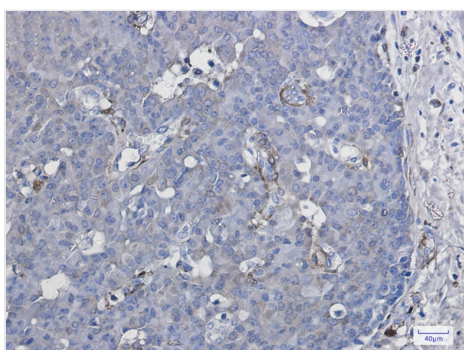
PRODUCT SYNONYMS

Cytochrome P450 1B1; Monoclonal Antibody; Cytochrome P450 1B1 Rabbit mAb; CP1B; ASGD6; GLC3A; CYP1B1; P4501B1; anti-CYP1B1 antibody

PRODUCT SPECIFICATIONS

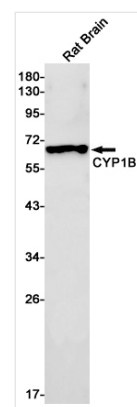
Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S02-5A3
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-CYP1B1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CYP1B1
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of CYP1B1 in paraffin-embedded Human breast cancer tissue using CYP1B1 Rabbit mAb at dilution 1/50



WB (Western Blot)

Western blot detection of CYP1B1 in Rat Brain lysates using CYP1B1 Rabbit mAb(1:1000 diluted). Predicted band size: 61kDa. Observed band size: 61kDa.

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 17beta-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.
Product Categories/Family for anti-CYP1B1 antibody	Primary Antibody

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytochrome-p450-1b1-antibody-clone-s02-5a3-immunohistochemistry-western-blot-elisa/314340>