

Rabbit CYP1B1 Polyclonal Antibody | anti-CYP1B1 antibody

CYP1B1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326172	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

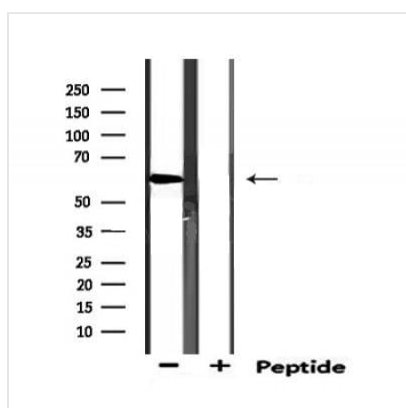
PRODUCT SYNONYMS

CYP1B1; Polyclonal Antibody; CYP1B1 Antibody; Aryl hydrocarbon hydroxylase; CP1B; CP1B1_HUMAN; Cyp1b1; CYP1B1; Cytochrome P450 1B1; 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; anti-CYP1B1 antibody

PRODUCT SPECIFICATIONS

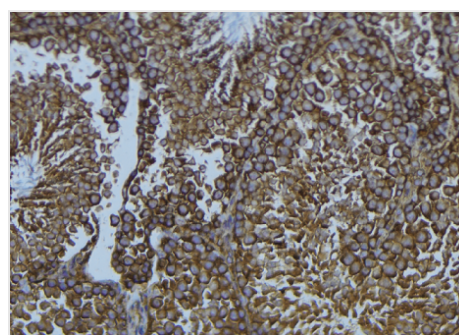
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	CYP1B1 Antibody detects endogenous levels of total CYP1B1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CYP1B1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CYP1B1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C.

IMAGES



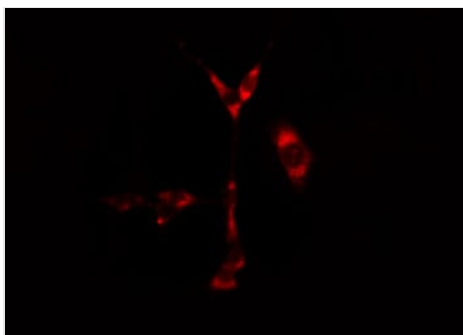
WB (Western Blot)

Western blot analysis of extracts from mouse brain, using CYP1B1 Antibody. The lane on the right was treated with blocking peptide.



IHC (Immunohistochemistry)

AAA326172 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326172 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1B1 antibody

Cytochrome P450 1B1 (CYP1B1) is a key enzyme involved in the production of potentially carcinogenic estrogen metabolites and the activation of environmental carcinogens and is the predominant member of the CYP1 family expressed in normal breast tissue and breast cancer. Estrogen has been proposed to trigger breast cancer development via an initiating mechanism involving its metabolite, catechol estrogen (CE). CYP1B1 catalyzes the conversion of 17-beta-estradiol to the catechol estrogen metabolites 2-OH-E2 and 4-OH-E2 which have both been postulated to be involved in mammary carcinogenesis. Genetic polymorphisms in CYP1B1 may play an important role in human prostate carcinogenesis as well. Polymorphism of the CYP1B1 gene at codon 432 (Val-->Leu) is associated with a change in catalytic function.

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	61kDa
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; ASGD6; GLC3A; CYP1B1; P4501B1
NCBI Protein Information	cytochrome P450 1B1
UniProt Protein Name	Cytochrome P450 1B1
UniProt Gene Name	CYP1B1

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/polyclonal/cyp1b1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326172>