

Rabbit CYP1B1 Antibody | anti-CYP1B1 antibody

CYP1B1 Antibody

CATALOG # AAA267194	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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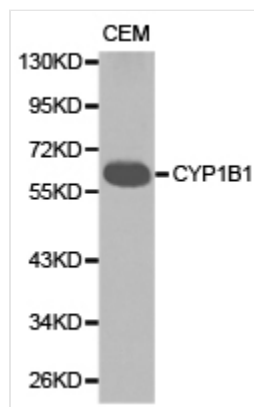
PRODUCT SYNONYMS

CYP1B1; CYP1B1 Antibody; CP1B; GLC3A; P4501B1; anti-CYP1B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	543
Applicable Applications for anti-CYP1B1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CYP1B1
Cross Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C or -80°C. Avoid freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western blot analysis of extracts of CEM cell lines, using CYP1B1 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.
Product Categories/Family for anti-CYP1B1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

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; CYPIB1; 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/rabbit-antibody/cyp1b1/267194>