

Mouse anti-Human, Rat. Cytochrome P450 1A2 Monoclonal Antibody | anti-CYP1A2 antibody

Cytochrome P450 1A2

CATALOG # AAA60480	HOST Mouse	REACTIVITY Human, Rat.	APPLICATIONS Western Blot
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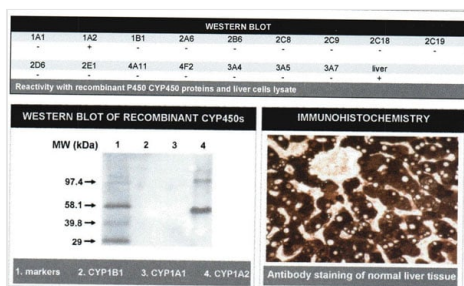
PRODUCT SYNONYMS

Cytochrome P450 1A2; Monoclonal Antibody; CYPIA2; P450-P3; P(3)450; P450 4; anti-CYP1A2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3B8C1
Purity/Purification	Protein A/G Chromatography
Form/Format	Unconjugated Provided as solution in phosphate buffered saline with 0.08% sodium azide
Sequence Length	516
Applicable Applications for anti-CYP1A2 antibody	WB (Western Blot)
Immunogen	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with rat cytochrome p450 proteins and mouse myeloma Ag8563 cells.
Positive Control	Normal human liver sections
Preparation and Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles. Shipping conditions: Ship at ambient temperature, freeze upon arrival.

IMAGES



IHC (Immunohistochemistry)

Left: Western blot using CYP1A2 antibody on recombinant (2) CYP1B1, (3) CYP1A1 and (4) CYP1A2 (0.5 pmol per lane).

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1A2 antibody	P450 enzymes constitute a family of monooxygenase enzymes that are involved in the metabolism of a wide array of endogenous and xenobiotic compounds. Several P450 enzymes have been classified by sequence similarities as members of the CYP1A and CYP2A subfamilies. NADPH cytochrome 450 reductase is a microsomal enzyme responsible for the transfer of electrons from NADPH to cytochrome P450 enzymes during the P450 catalytic cycle. NADPH cytochrome P450 reductase is localized to the endoplasmic reticulum where it is also able to transfer electrons to heme oxygenase and cytochrome 5. NADPH cytochrome P450 reductase is structurally related to two separate flavoprotein families, ferredoxin nucleotide reductase (FNR) and flavodoxin. Electron transfer of NADPH cytochrome P450 reductase requires the binding of two flavin cofactors, FAD and FMN, to the FNR and flavodoxin domains, respectively.
Product Categories/Family for anti-CYP1A2 antibody	Monoclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	73915100
NCBI GeneID	1544
NCBI Accession #	NP_000752.2
NCBI GenBank Nucleotide #	NM_000761.3
UniProt Accession #	P05177; Q16754; Q6NWU5; Q9BXX7; Q9UK49
NCBI Official Full Name	cytochrome P450 1A2
NCBI Official Synonym Full Names	cytochrome P450, family 1, subfamily A, polypeptide 2
NCBI Official Symbol	CYP1A2
NCBI Official Synonym Symbols	CP12; P3-450; P450(PA)
NCBI Protein Information	cytochrome P450 1A2; CYPIA2; P450 form 4; cytochrome P450 4; cytochrome P(3)450; cytochrome P450-P3; dioxin-inducible P3-450; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2
UniProt Protein Name	Cytochrome P450 1A2
UniProt Gene Name	CYP1A2
UniProt Entry Name	CP1A2_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-p450-1a2-antibody-clone-3b8c1-western-blot-elisa/60480>