

Rabbit anti-Human, mouse CYP1A2 Polyclonal Antibody | anti-CYP1A2 antibody

CYP1A2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285548	Rabbit	Human, mouse	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

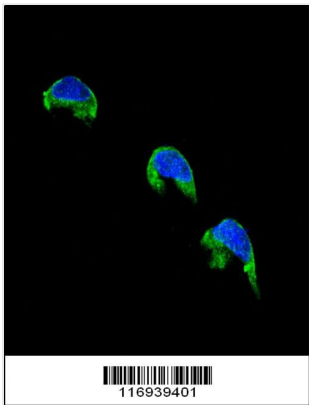
PRODUCT SYNONYMS

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

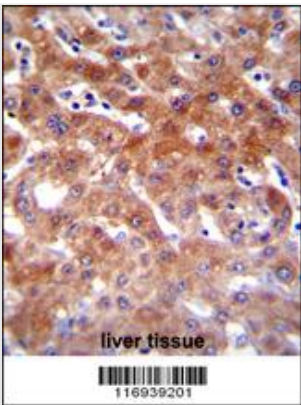
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP1A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 255-282 amino acids from the Central region of human CYP1A2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	255-282
Sequence Length	516
Applicable Applications for anti-CYP1A2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

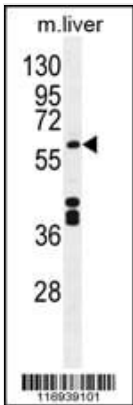
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of CYP1A2 Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
CYP1A2 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CYP1A2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CYP1A2 Antibody (Center) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the CYP1A2 antibody detected the CYP1A2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1A2 antibody	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The protein encoded by this gene localizes to the endoplasmic reticulum and its expression is induced by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. Other xenobiotic substrates for this enzyme include caffeine, aflatoxin B1, and acetaminophen. The transcript from this gene contains four Alu sequences flanked by direct repeats in the 3' untranslated region.
Product Categories/Family for anti-CYP1A2 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Gentile, G., et al. J Headache Pain 11(5):431-435(2010) Uslu, A., et al. BMB Rep 43(8):530-534(2010) Wang, X., et al. J. Pharm. Pharmacol. 62(8):1077-1083(2010) Schmidt, R.J., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(7):560-569(2010) Jiang, Z., et al. Pharmacogenet. Genomics 16(5):359-367(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	73915100
NCBI GeneID	1544
NCBI Accession #	NP_000752.2

NCBI GenBank Nucleotide #	NM_000761.4
UniProt Accession #	P05177 ; Q16754 ; Q6NWU5 ; Q9BXX7 ; Q9UK49
Molecular Weight	58294
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
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://www.aaabiotech.com/polyclonal/cyp1a2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/285548>