

Rabbit Cytochrome P450 1A2 Polyclonal Antibody | anti-CYP1A2 antibody

Cytochrome P450 1A2 Antibody

CATALOG # AAA324253	HOST Rabbit	REACTIVITY Human, Mouse, Rat
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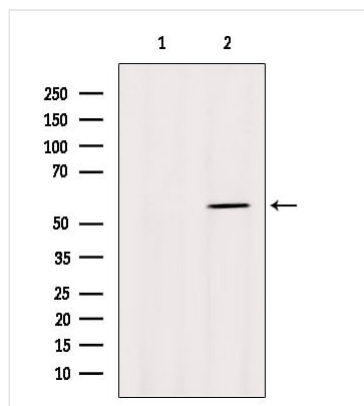
PRODUCT SYNONYMS

Cytochrome P450 1A2; Polyclonal Antibody; Cytochrome P450 1A2 Antibody; Aryl hydrocarbon hydroxylase; CP 12; CP12; CP1A2_HUMAN; CYP1A2; CYPIA2; Cytochrome P(3)450; Cytochrome P450 4; Cytochrome P450 family 1 polypeptide 2; Cytochrome P450 family 1 subfamily A polypeptide 2; Cytochrome P450 subfamily I aromatic compound inducible polypeptide 2; Cytochrome P450-P3; Cytochrome P4501A2; Dioxin inducible P3 450; Flavoprotein linked monooxygenase; Microsomal monooxygenase; P(3)450; P3 450; P450 4; P450 form 4; P450 P3; P450(PA); Xenobiotic monooxygenase; anti-CYP1A2 antibody

PRODUCT SPECIFICATIONS

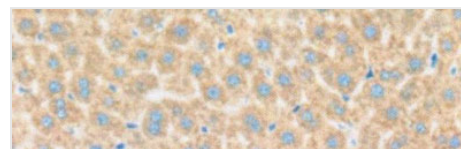
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Cytochrome P450 2E1 Antibody detects endogenous levels of total Cytochrome P450 2E1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Immunogen	A synthesized peptide derived from human Cytochrome P450 2E1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



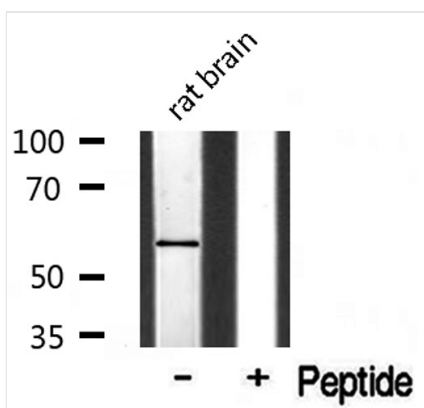
WB (Western Blot)

Western blot analysis of extracts from Myeloma cells, using Cytochrome P450 1A2 Antibody. Lane 1 was treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA324253 at 1/100 staining Mouse liver 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 at 4°C overnight. An HRP conjugated anti-rabbit Ab was used as secondary Ab



WB (Western Blot)

Western blot analysis of Cytochrome P450 1A2 Antibody expression in rat brain tissue lysates. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1A2 antibody

Function: 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, and xenobiotics. Most active in catalyzing 2-hydroxylation. Caffeine is metabolized primarily by cytochrome CYP1A2 in the liver through an initial N3-demethylation. Also acts in the metabolism of aflatoxin B1 and acetaminophen. Participates in the bioactivation of carcinogenic aromatic and heterocyclic amines. Catalyzes the N-hydroxylation of heterocyclic amines and the O-deethylation of phenacetin.

Similarity: Belongs to the cytochrome P450 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1476413392
NCBI GeneID	1544
UniProt Accession #	P05177; Q16754; Q6NWU3; Q6NWU5; Q9BXX7; Q9UK49
Molecular Weight	57 KD
NCBI Official Full Name	Cytochrome P450 1A2
NCBI Official Synonym Full Names	cytochrome P450 family 1 subfamily A member 2
NCBI Official Symbol	CYP1A2
NCBI Official Synonym Symbols	CP12; CYPIA2; P3-450; P450(PA)
NCBI Protein Information	cytochrome P450 1A2
UniProt Protein Name	Cytochrome P450 1A2
UniProt Gene Name	CYP1A2

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/cytochrome-p450-1a2-antibody-elisa/324253>