

Rabbit CYP1A1 Polyclonal Antibody | anti-CYP1A1 antibody

CYP1A1 Antibody (C-term)

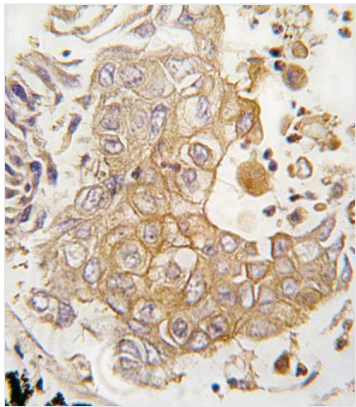
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284595	Rabbit	Human, mouse (Predicted Reactivity: Monkey)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

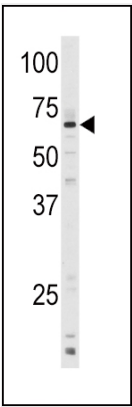
CYP1A1; Polyclonal Antibody; CYP1A1 Antibody (C-term); Cytochrome P450 1A1; CYPIA1; Cytochrome P450 form 6; Cytochrome P450-C; Cytochrome P450-P1; anti-CYP1A1 antibody

PRODUCT SPECIFICATIONS

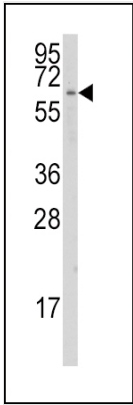
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP1A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 377-405 amino acids from the C-terminal region of human CYP1A1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	377-405
Sequence Length	512
Applicable Applications for anti-CYP1A1 antibody	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.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CYP1A1 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-CYP1A1 Antibody (C-term) in mouse lung tissue lysates (35ug/lane). CYP1A1(arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of anti-CYP1A1 Antibody (C-term) in K562 cell line lysates (35ug/lane). CYP1A1(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1A1 antibody	CYP1A1 is 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. This protein 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. CYP1A1 gene has been associated with lung cancer risk.
Product Categories/Family for anti-CYP1A1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Delpisheh,A., Eur. J. Obstet. Gynecol. Reprod. Biol. 143 (1), 38-42 (2009) Zhuo,W., Cancer Invest. 27 (1), 86-95 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503199
NCBI GeneID	1543
NCBI Accession #	NP_000490.1
NCBI GenBank Nucleotide #	NM_000499.3

UniProt Accession #	P04798 ; Q53G18 ; A4F3V9 ; A4F3W0
Molecular Weight	58165
NCBI Official Full Name	cytochrome P450 1A1
NCBI Official Synonym Full Names	cytochrome P450, family 1, subfamily A, polypeptide 1
NCBI Official Symbol	CYP1A1
NCBI Official Synonym Symbols	AHH; AHRR; CP11; CYP1; P1-450; P450-C; P450DX
NCBI Protein Information	cytochrome P450 1A1
UniProt Protein Name	Cytochrome P450 1A1
UniProt Gene Name	CYP1A1
UniProt Entry Name	CP1A1_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/cyp1a1-antibody-immunohistochemistry-western-blot-elisa/284595>