

Rabbit anti-Human CYP1A1 Polyclonal Antibody | anti-CYP1A1 antibody

CYP1A1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283310	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

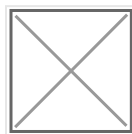
PRODUCT SYNONYMS

CYP1A1; Polyclonal Antibody; CYP1A1 Rabbit pAb; AHH; AHRR; CP11; CYP1; CYP1A1; P1-450; P450-C; P450DX; anti-CYP1A1 antibody

PRODUCT SPECIFICATIONS

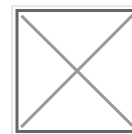
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Sequence	FMQKMVKEHY KTFEKGHIRD ITDSLIEHCQ EKQLDENANV QLSDEKIINI VLDLFGAGFD TVTTAISWSL MYLVMNPRVQ RKIQEELDTV IGRSRRPRLS
Applicable Applications for anti-CYP1A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 261-360 of human CYP1A1 (NP_000490.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



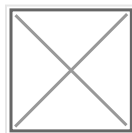
IF (Immunofluorescence)

Immunofluorescence analysis of Mouse liver tissue using CYP1A1 Rabbit pAb (AAA283310) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



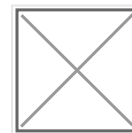
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using CYP1A1 Rabbit pAb (AAA283310) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using CYP1A1 Rabbit pAb (AAA283310) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and 293F cells transfected with CYP1A1 using CYP1A1 Rabbit pAb (AAA283310) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1A1 antibody	This gene, CYP1A1, 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. 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. The gene has been associated with lung cancer risk. A related family member, CYP1A2, is located approximately 25 kb away from CYP1A1 on chromosome 15. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Product Categories/Family for anti-CYP1A1 antibody	Cancer; Signal Transduction; Endocrine Metabolism; Mitochondrial metabolism; Lipid Metabolism; Lipases; Drug metabolism; Cardiovascular; Hypoxia; Lipids; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	1543
UniProt Accession #	P04798
Molecular Weight	Calculated MW: 58kDa Observed MW: 58kDa

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/polyclonal/cyp1a1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283310>