Rabbit CYP1A1 Polyclonal Antibody | anti-CYP1A1 antibody

CYP1A1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198893	**Rabbit**	**Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish**	**Western Blot**

PRODUCT SYNONYMS

CYP1A1; Polyclonal Antibody; CYP1A1 antibody - middle region; anti-CYP1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Syntheticp eptideloca tedwithint hefollowin gregion:QL SDEKIINIVL DLFGAGFDTV TTAISWSLMY LVMNPRVQRK IQEELDTV
Sequence Length	512
Applicable Applications for anti-CYP1A1 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 83%; Goat: 93%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 86%; Rat: 100%; Sheep: 93%; Zebrafish: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CYP1A1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

WB (Western Blot)
WB Suggested Anti-CYP1A1 Antibody Titration: 0.2-1 ug/mlPositive Control: Human heart

WB (Western Blot)
Lanes:Lane 1: Human lung microsome lysateLane 2-5: 150 ug mouse lung microsome lysatePrimary Antibody Dilution:1: 1000Secondary Antibody:Anti-rabbit HRPSecondary Antibody Dilution:1: 10000Gene Name:CYP1A1Submitted by:Jing Peng, Fox Chase Cancer Center

WB (Western Blot)
Host: RabbitTarget Name: CYP1A1Sample Tissue: Human Fetal LungAntibody Dilution: 1.0ug/ml

WB (Western Blot)
Host: MouseTarget Name: CYP1A1Sample Tissue: Mouse TestisAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CYP1A1 antibody	This is a rabbit polyclonal antibody against CYP1A1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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 has been associated with lung cancer risk. 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. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-CYP1A1 antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism; Tissue Specific & Cell Marker; Hypoxia

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503199
NCBI GeneID	1543
NCBI Accession #	NP_000490
NCBI GenBank Nucleotide #	NM_000499
UniProt Accession #	P04798
Molecular Weight	58kDa
NCBI Official Full Name	cytochrome P450 1A1 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 1 subfamily A member 1
NCBI Official Symbol	CYP1A1
NCBI Official Synonym Symbols	AHH; AHRR; CP11; CYP1; CYPIA1; P1-450; P450-C; P450DX
NCBI Protein Information	cytochrome P450 1A1

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-western-blot-elisa/198893