

Rabbit CYP1A1 Polyclonal Antibody | anti-CYP1A1 antibody

CYP1A1 Polyclonal Antibody

CATALOG # AAA10736	HOST Rabbit	APPLICATIONS Western Blot, Immunofluorescence
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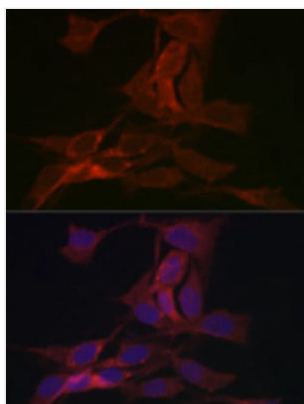
PRODUCT SYNONYMS

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

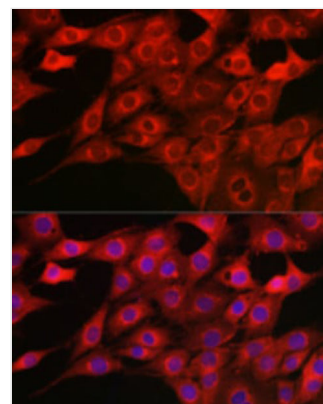
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	512
Applicable Applications for anti-CYP1A1 antibody	WB (Western Blot), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IF: 1:50-1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 200-460 of human CYP1A1 (NP_000490.1).
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

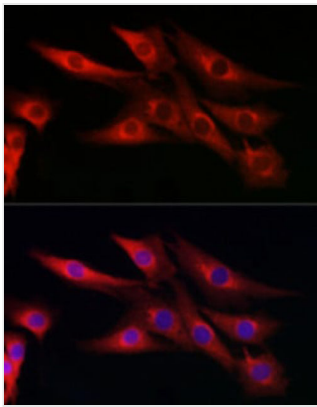
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using CYP1A1 Rabbit pAb (AAA10736) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.

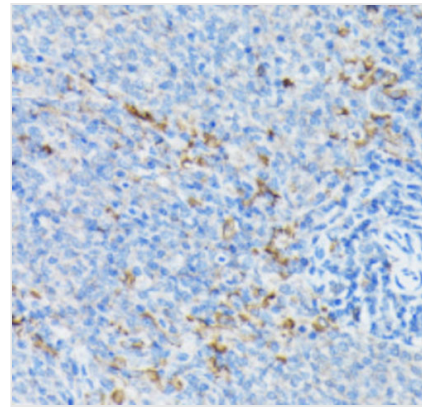

IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using CYP1A1 Rabbit pAb (AAA10736) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



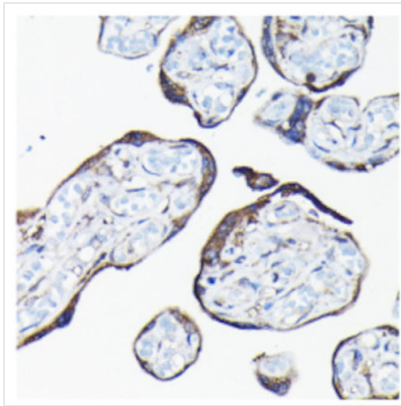
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using CYP1A1 Rabbit pAb (AAA10736) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



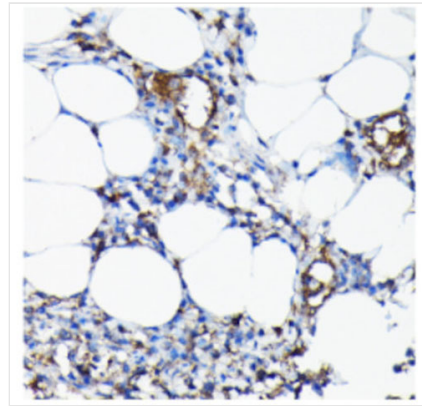
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using CYP1A1 Rabbit pAb (AAA10736) at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using CYP1A1 Rabbit pAb (AAA10736) at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat lung using CYP1A1 Rabbit pAb (AAA10736) at dilution of 1:100 (40x lens).

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	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	117139
NCBI GeneID	1543
UniProt Accession #	P04798; Q53G18; A4F3V9; A4F3W0
Molecular Weight	Observed MW: 55kDa Calculated MW: 18kDa/20kDa/58kDa
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; CYPIA1; cytochrome P450-C; cytochrome P450-P1; cytochrome P450 form 6; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; cytochrome P1-450, dioxin-inducible; cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 1
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://stage.aaabiotech.com/polyclonal/cyp1a1-antibody-western-blot-immunofluorescence-elisa/10736>