

Rabbit anti-Human CYP3A4 Polyclonal Antibody | anti-CYP3A4 antibody

CYP3A4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232451	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

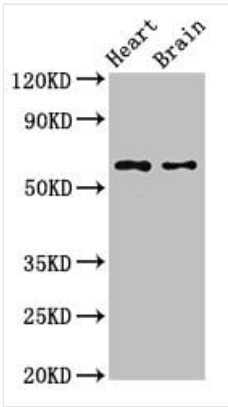
PRODUCT SYNONYMS

CYP3A4; Polyclonal Antibody; CYP3A4 Antibody; Cytochrome P450 3A4; 1; 8-cineole 2-exo-monooxygenase; Albendazole monooxygenase; Albendazole sulfoxidase; CYP3A3; CYP3A4; Cholesterol 25-hydroxylase; CYP3A3; anti-CYP3A4 antibody

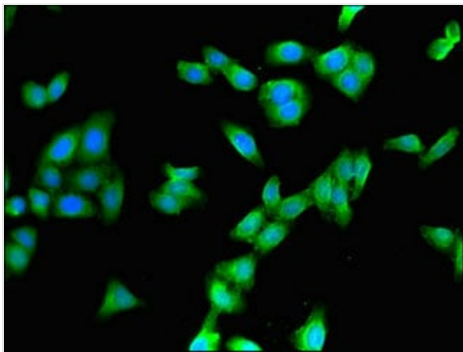
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	502
Applicable Applications for anti-CYP3A4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Cytochrome P450 3A4 protein (259-441AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27639
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

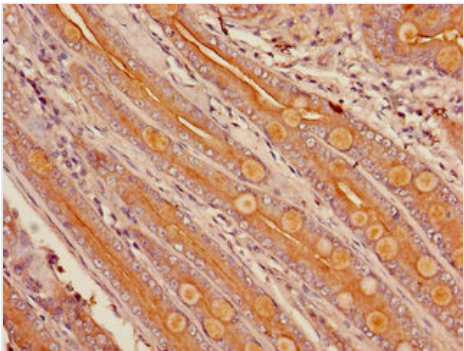
IMAGES



WB (Western Blot)
Western BlotPositive WB detected in: Mouse heart tissue,Mouse brain tissueAll lanes:
CYP3A4 antibody at 2.8ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000
dilutionPredicted band size: 58 KDaObserved band size: 58 KDa



IF (Immunofluorescence)
Immunofluorescent analysis of HepG2 cells using AAA232451 at a dilution of 1:100 and
Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA232451
at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-CYP3A4 antibody	Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulfoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Acts as a 1, 8-cineole 2-exo-monooxygenase. The enzyme also hydroxylates etoposide (PubMed: 11159812). Catalyzes 4-beta-hydroxylation of cholesterol. May catalyze 25-hydroxylation of cholesterol in vitro (PubMed: 21576599).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	322302351
NCBI GeneID	1576
NCBI Accession #	NP_001189784.1
NCBI GenBank Nucleotide #	NM_001202855.2
UniProt Accession #	P08684; P05184; Q16757; Q9UK50
Molecular Weight	57,343 Da
NCBI Official Full Name	cytochrome P450 3A4 isoform 2
NCBI Official Synonym Full Names	cytochrome P450 family 3 subfamily A member 4
NCBI Official Symbol	CYP3A4

NCBI Official Synonym Symbols	HLP; CP33; CP34; CYP3A; NF-25; CYP3A3; P450C3; CYP11A3; CYP11A4; P450PCN1
NCBI Protein Information	cytochrome P450 3A4
UniProt Protein Name	Cytochrome P450 3A4
UniProt Gene Name	CYP3A4
UniProt Synonym Gene Names	CYP3A3
UniProt Entry Name	CP3A4_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/cyp3a4-antibody-immunofluorescence-immunohistochemistry-elisa/232451>