

Rabbit anti-Human, Mouse Cytochrome P450 3A4 Polyclonal Antibody | anti-CYP3A4 antibody

Cytochrome P450 3A4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304623	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

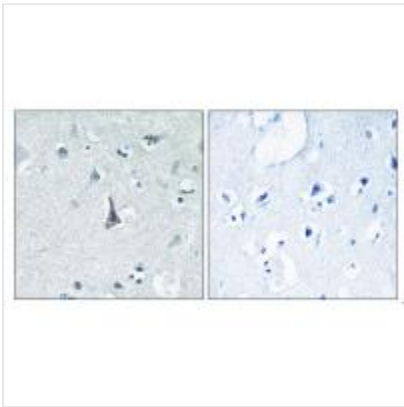
PRODUCT SYNONYMS

Cytochrome P450 3A4; Polyclonal Antibody; Cytochrome P450 3A4 Antibody; EC 1.14.13.67; Quinine 3-monooxygenase; CYP11A4; Nifedipine oxidase; anti-CYP3A4 antibody

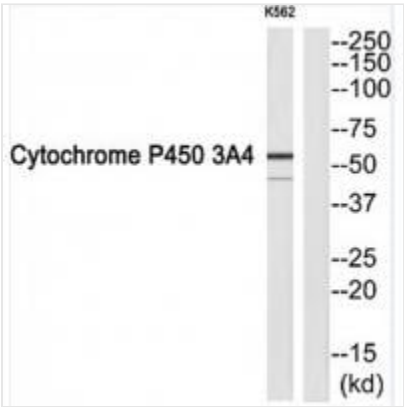
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total Cytochrome P450 3A4 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	502
Applicable Applications for anti-CYP3A4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human Cytochrome P450 3A4.
Target Name	Cytochrome P450 3A4
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue using Cytochrome P450 3A4 antibody.



WB (Western Blot)
Western blot analysis of extracts from K562 cells, using P450 3A4 antibody.

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.Vuoristo M.M., J. Biol. Chem. 270:22873-22881(1995).Mungall A.J., Nature 425:805-811(2003).Lui V.C., Genomics 32:401-412(1996).
Product Categories/Family for anti-CYP3A4 antibody	Total protein Ab

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, polypeptide 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://stage.aaabiotech.com/polyclonal/cytochrome-p450-3a4-antibody-immunohistochemistry-western-blot-elisa/304623>