Rabbit anti-Human CYP3A5 Polyclonal Antibody | anti-CYP3A5 antibody

CYP3A5 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285316	**Rabbit**	**Human**	**Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA**

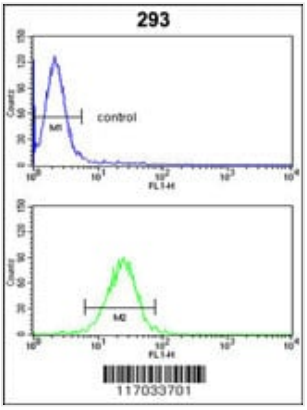
PRODUCT SYNONYMS

CYP3A5; Polyclonal Antibody; CYP3A5 Antibody (Center); Cytochrome P450 3A5; CYPIIIA5; Cytochrome P450 HLp2; Cytochrome P450-PCN3; anti-CYP3A5 antibody

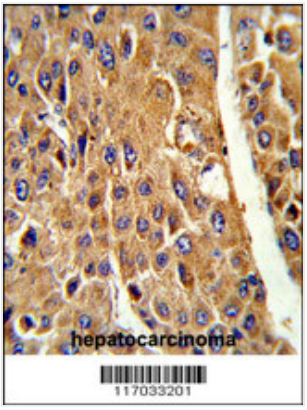
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP3A5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-218 amino acids from the Central region of human CYP3A5.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	186-218
Sequence Length	140
Applicable Applications for anti-CYP3A5 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

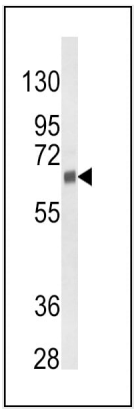
IMAGES



FCM/FACS (Flow Cytometry)
CYP3A5 Antibody (Center) flow cytometric analysis of 293 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with CYP3A5 Antibody (Center) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CYP3A5 Antibody (Center) in 293 cell line lysates (35ug/lane). CYP3A5 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP3A5 antibody	CYP3A5 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 glucocorticoids and some pharmacological agents. The enzyme metabolizes drugs such as nifedipine and cyclosporine as well as the steroid hormones testosterone, progesterone and androstenedione.
Product Categories/Family for anti-CYP3A5 antibody	Cardiovascular; Metabolism; Signal transduction
References	Zencir,S., Z. Naturforsch., C, J. Biosci. 63 (9-10), 780-784 (2008) Nelson,D.R., Pharmacogenetics 14 (1), 1-18 (2004) Murray,G.I., FEBS Lett. 364 (1), 79-82 (1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503231
NCBI GeneID	1577
NCBI Accession #	NP_000768.1; NP_001177413.1
NCBI GenBank Nucleotide #	NM_000777.4

UniProt Accession #	P20815; Q53WY8; Q75MV0; Q9HB56; A4D289; B7Z5I7
Molecular Weight	57109
NCBI Official Full Name	cytochrome P450 3A5 isoform 1
NCBI Official Synonym Full Names	cytochrome P450, family 3, subfamily A, polypeptide 5
NCBI Official Symbol	CYP3A5
NCBI Official Synonym Symbols	CP35; PCN3; CYPIIIA5; P450PCN3
NCBI Protein Information	cytochrome P450 3A5
UniProt Protein Name	Cytochrome P450 3A5
UniProt Gene Name	**CYP3A5**
UniProt Entry Name	CP3A5_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/cyp3a5-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/285316