

Datasheet for ABIN652394
anti-CYP3A5 antibody (AA 186-218)

3 Images

[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	CYP3A5
Binding Specificity:	AA 186-218
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP3A5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB17033
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CYP3A5
Alternative Name:	CYP3A5 (CYP3A5 Products)

Target Details

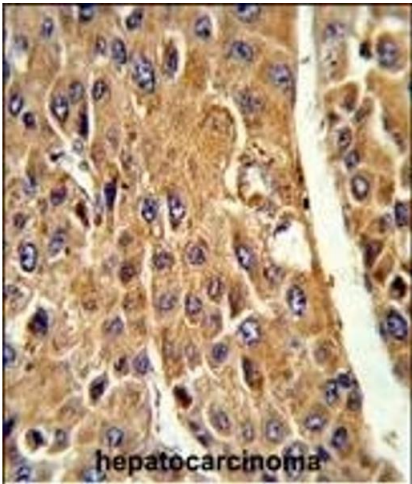
Background:	CYP3A5 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and its 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.
Molecular Weight:	57109
Gene ID:	1577
NCBI Accession:	NP_000768 , NP_001177413
UniProt:	P20815
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

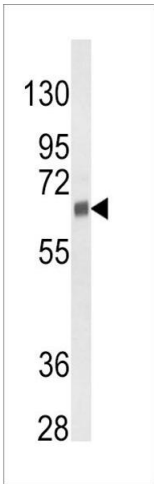
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



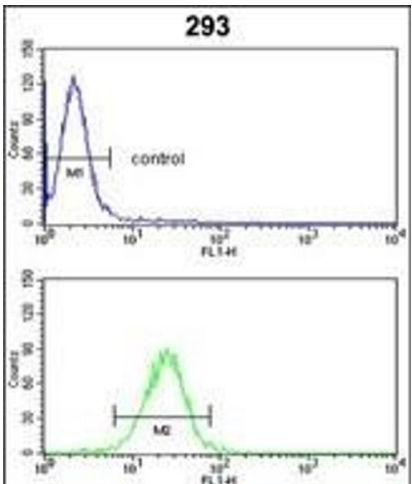
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with CYP3A5 Antibody (Center) (ABIN652394 and ABIN2841919) , 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.



Western Blotting

Image 2. Western blot analysis of CYP3A5 Antibody (Center) (ABIN652394 and ABIN2841919) in 293 cell line lysates (35 µg/lane). CYP3A5 (arrow) was detected using the purified Pab.



Flow Cytometry

Image 3. CYP3A5 Antibody (Center) (ABIN652394 and ABIN2841919) 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.