

## Datasheet for ABIN264500 anti-CYP3A5 antibody (C-Term)



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### 1 Image

#### Overview

Quantity:	0.2 mg
Target:	CYP3A5
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP3A5 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with asynthetic peptide derived from the Cterminus of the human CYP3A5 protein and mousemyeloma Ag8563 cells.
Clone:	F18 P3 B6
Isotype:	IgG1
Specificity:	This antibody reacts to Cytochrome P450 3A5.
Characteristics:	Synonyms: Cytochrome P450 3A5, Cytochrome P450-PCN3, Cytochrome P450 HLP2
Purification:	Purified

## Target Details

Target:	CYP3A5
Alternative Name:	CYP3A5 ( <a href="#">CYP3A5 Products</a> )
Background:	CYP3A genes encode monooxygenases, enzymes which catalyze drug metabolism and the synthesis of cholesterol, steroids and other lipids. CYP3A (cytochrome P450, family 3, subfamily A), the most abundant p450 enzyme in human liver, is responsible for the metabolism of more than 50 % of all clinical drugs. CYP3A members localize in organs that associate with drug disposition, including the liver, gastrointestinal tract and kidney. The CYP3A cluster consists of four genes: CYP3A43, CYP3A4, CYP3A7 and CYP3A5, and two pseudogenes: CYP3A5P1 and CYP3A5P2. The CYP3A cluster maps to gene locus 7q21.3-q22.1.Synonyms: Cytochrome P450 3A5, Cytochrome P450 HLp2, Cytochrome P450-PCN3
Gene ID:	1577
UniProt:	<a href="#">P20815</a>
Pathways:	<a href="#">Steroid Hormone Biosynthesis</a>

## Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections: 1 - 5 µg/mL. When used in conjunction with CYP3A7 (Cat. No. ABIN264501), can differentiate between the CYP3A family members, 3A5 and 3A7. Positive Control: Squamous oesophagus cancer. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

## Handling

Buffer:	Phosphate buffered saline with 0.08 % 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:	-20 °C
Storage Comment:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20 °C only. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Expiry Date: 12 months

Immunohistochemistry

Image 1.

