

Datasheet for ABIN264501
anti-CYP3A7 antibody (C-Term)



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1 Image

Overview

Quantity:	0.2 mg
Target:	CYP3A7
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP3A7 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 CYP3A7 protein and mousemyeloma Ag8563 cells.
Clone:	F19 P2 H2
Isotype:	IgG1
Specificity:	This antibody reacts to Cytochrome P450 3A7.
Characteristics:	Synonyms: Cytochrome P450 3A7, CYP11A7, Cytochrome P450-HFLA
Purification:	Purified

Target Details

Target:	CYP3A7
Alternative Name:	CYP3A7 (CYP3A7 Products)
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: CYP11A7, Cytochrome P450 3A7, Cytochrome P450-HFLA
Gene ID:	1551
UniProt:	P24462
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections: 1 - 5 µg/mL. When used in conjunction with CYP3A5, can differentiate between the CYP3A familymembers, 3A5 and 3A7. 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.

Handling

Expiry Date: 12 months

Images

Immunohistochemistry

Image 1.

