Datasheet for ABIN929450

anti-CYP3A5 antibody (N-Term)

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1 Image

Overview

Quantity:	100 µL
Target:	CYP3A5
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP3A5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	CYP3 A5 antibody was raised in rabbit using the N terminal of CYP3 5 as the immunogen
Purification:	Purified

Target Details

Target:	CYP3A5
Alternative Name:	CYP3A5 (CYP3A5 Products)
Background:	This gene,CYP3A5, encodes 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

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Target Details

	as well as the steroid hormones testosterone, progesterone and androstenedione. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. This cluster includes a pseudogene, CYP3A5P1, which is very similar to CYP3A5. This similarity has caused some difficulty in determining whether cloned sequences represent the gene or the pseudogene. Multiple alternatively spliced transcript variants have been identified for this gene. Synonyms: Polyclonal CYP3A5 antibody, Anti-CYP3A5 antibody, cytochrome P450, family 3, subfamily A, polypeptide 5 antibody, CP35 antibody, P450PCN3 antibody, PCN3 antibody.
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	WB: 0.2-1 µg/mL Optimal conditions should be determined by the investigator.
Comment:	CYP3A5 Blocking Peptide, catalog no. 33R-1283, is also available for use as a blocking control in assays to test for specificity of this CYP3A5 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.

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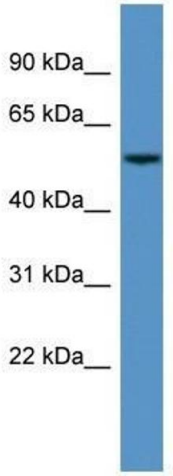

Western Blotting

Image 1. Western Blot showing CYP3A5 antibody used at a concentration of 1-2 ug/ml to detect its target protein.

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