

Datasheet for ABIN5515919 **anti-CYP3A4 antibody (N-Term)**

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Overview

Quantity:	100 µL
Target:	CYP3A4
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP3A4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CYP3A4
Sequence:	LFKKLGIPGP TPLPFLGNIL SYHKGFCMFD MECHKKYGKV WGFYDGQQPV
Purification:	Affinity purified

Target Details

Target:	CYP3A4
Alternative Name:	CYP3A4 (CYP3A4 Products)
Background:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the

Target Details

endoplasmic reticulum and its expression is induced by glucocorticoids and some pharmacological agents. This enzyme is involved in the metabolism of approximately half the drugs in use today, including acetaminophen, codeine, cyclosporin A, diazepam and erythromycin. The enzyme also metabolizes some steroids and carcinogens. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist, however, it is now thought that this sequence represents a transcript variant of CYP3A4. Alternatively spliced transcript variants encoding different isoforms have been identified.

Alias Symbols: HLP, CP33, CP34, CYP3A, NF-25, CYP3A3, P450C3, CYP11A3, CYP11A4, P450PCN1,

Protein Size: 167

Gene ID:	1576
NCBI Accession:	NM_001202855 , NP_001189784
UniProt:	P08684
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.