

Datasheet for ABIN2783886
anti-CYP3A4 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	CYP3A4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit, Sheep, Goat, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP3A4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CYP3A43
Sequence:	IYALHHDPKY WTEPEKFCPE SRFSKKNKDS IDLYRYIPFG AGPRNCIGMR
Predicted Reactivity:	Cow: 92%, Dog: 86%, Goat: 85%, Guinea Pig: 80%, Horse: 92%, Human: 100%, Mouse: 85%, Pig: 92%, Rabbit: 85%, Rat: 92%, Sheep: 92%
Characteristics:	This is a rabbit polyclonal antibody against CYP3A43. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CYP3A4
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Target Details

Alternative Name:	CYP3A43 (CYP3A4 Products)
Background:	CYP3A43 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 enzyme has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, it is unknown whether the enzyme is also involved in xenobiotic metabolism. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing of this gene results in three transcript variants encoding different isoforms. This gene 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 enzyme has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, it is unknown whether the enzyme is also involved in xenobiotic metabolism. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing of this gene results in three transcript variants encoding different isoforms. Alias Symbols: MGC119315, MGC119316 Protein Size: 504
Molecular Weight:	58 kDa
Gene ID:	64816
NCBI Accession:	NM_022820 , NP_073731
UniProt:	Q9HB55
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 504 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific

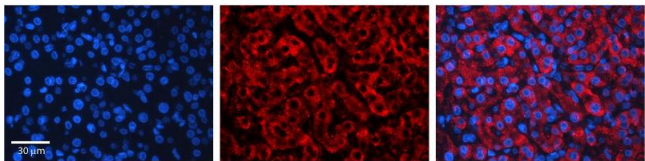
Handling

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.
Handling Advice:	Avoid repeated freeze-thaw cycles.
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.

Images

Immunohistochemistry

Image 1.



Western Blotting

Image 2. WB Suggested Anti-CYP3A43 Antibody Titration:
0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human
Liver

