

Datasheet for ABIN2784528

anti-CYP3A4 antibody (Middle Region)



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1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	CYP3A4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit, Sheep, Goat, Horse
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 middle region of human CYP3A4
Sequence:	MIPSYALHRD PKYWTEPEKF LPERFSKKNK DNIDPYIYTP FGSGPRNCIG
Predicted Reactivity:	Cow: 86%, Dog: 85%, Goat: 86%, Guinea Pig: 93%, Horse: 92%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 93%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against CYP3A4. 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:	CYP3A4 (CYP3A4 Products)
Background:	This gene, CYP3A4, 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 prot Alias Symbols: CP33, CP34, CYP3A, CYP3A3, HLP, MGC126680, NF-25, P450C3, P450PCN1, CYP11A3, CYP11A4 Protein Interaction Partner: UBC, PRKCA, PRKACA, PGRMC1, POR, GK, CYB5A, STUB1, AMFR, UGT2B7, Protein Size: 503
Molecular Weight:	57 kDa
Gene ID:	1576
NCBI Accession:	NM_017460 , NP_059488
UniProt:	P08684
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 503 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
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

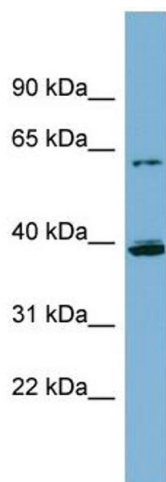
Handling

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.

Publications

Product cited in: Werk, Lefeldt, Bruckmueller, Hemmrich-Stanisak, Franke, Roos, Kuchle, Steubl, Schmaderer, Bräsen, Heemann, Cascorbi, Renders: "Identification and characterization of a defective CYP3A4 genotype in a kidney transplant patient with severely diminished tacrolimus clearance." in: **Clinical pharmacology and therapeutics**, Vol. 95, Issue 4, pp. 416-22, (2014) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-CYP3A4 Antibody Titration:
0.2-1 ug/ml Positive Control: THP-1 cell lysate