

Datasheet for ABIN2788347  
**anti-CYP3A5 antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	CYP3A5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Sheep, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP3A5 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 CYP3A5
Sequence:	AITDPDVIRT VLVKECYSVF TNRRSLGPVG FMKSAISLAE DEEWKRIRSL
Predicted Reactivity:	Cow: 79%, Dog: 91%, Guinea Pig: 92%, Horse: 86%, Human: 100%, Mouse: 82%, Pig: 93%, Rat: 79%, Sheep: 79%
Characteristics:	This is a rabbit polyclonal antibody against CYP3A5. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	CYP3A5
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## Target Details

Alternative Name:	CYP3A5 ( <a href="#">CYP3A5 Products</a> )
Background:	<p>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 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.</p> <p>Alias Symbols: CP35, P450PCN3, PCN3, CYP11A5</p> <p>Protein Interaction Partner: RDH13, ATOH8, ETV5,</p> <p>Protein Size: 502</p>
Molecular Weight:	57 kDa
Gene ID:	1577
NCBI Accession:	<a href="#">NM_000777</a> , <a href="#">NP_000768</a>
UniProt:	<a href="#">P51589</a>
Pathways:	<a href="#">Steroid Hormone Biosynthesis</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 502 AA
Restrictions:	For Research Use only

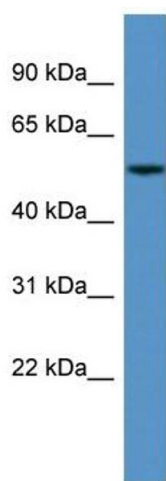
## Handling

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

## Handling

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



**Western Blotting**

**Image 1.**