

Datasheet for ABIN1106886

**anti-CYP3A4 antibody**

## 7 Images

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## Overview

Quantity:	0.1 mg
Target:	CYP3A4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP3A4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Clone:	3H8
Isotype:	IgG1
Specificity:	This antibody recognizes Human CYP3A4.
Purification:	Purified

## Target Details

Target:	CYP3A4
Alternative Name:	CYP3A4 ( <a href="#">CYP3A4 Products</a> )
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. Synonyms: Albendazole monooxygenase, Albendazole sulfoxidase, CYP3A3, CYP3A3, CYP3A4, CYP3A4, Cytochrome P450 3A3, Cytochrome P450 3A4, Cytochrome P450 HLP, Cytochrome P450 NF-25, Cytochrome P450-PCN1, Nifedipine oxidase, Quinine 3-monooxygenase, Taurochenodeoxycholate 6- $\alpha$ -hydroxylase

Molecular Weight: 57.3 kDa

Gene ID: 1576

Pathways: [Steroid Hormone Biosynthesis](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

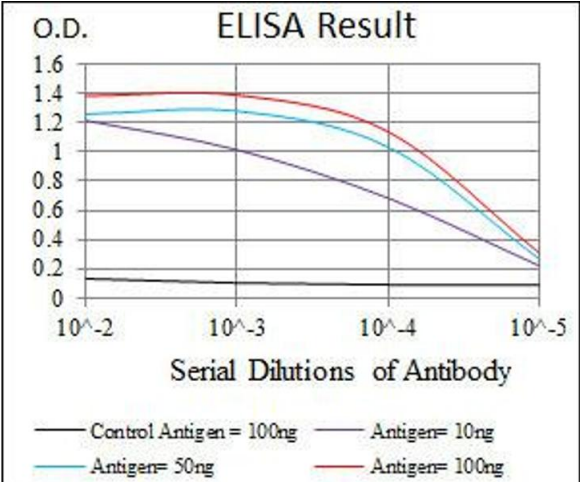
Format: Liquid

Concentration: 1.0 mg/mL

Buffer: PBS with 0.05 % Sodium Azide as preservative and 0.5 % protein stabilizer

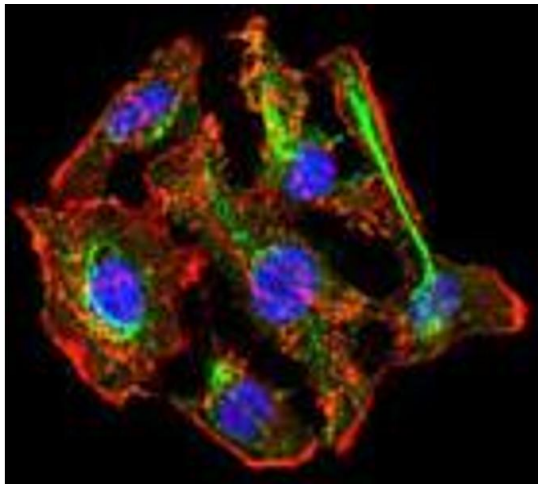
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.



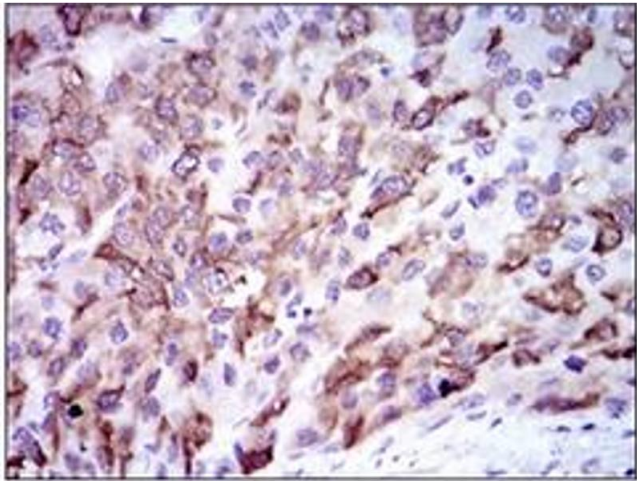
### ELISA

Image 1.



### Immunofluorescence

Image 2.



### Immunohistochemistry

Image 3.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1106886.