

Datasheet for ABIN680138

anti-CYP3A4 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CYP3A4
Reactivity:	Human, Mouse, Rat, Cow, Dog, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP3A4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CYP3A1
Isotype:	IgG
Cross-Reactivity:	Chicken, Cow, Dog, Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CYP3A4
Alternative Name:	CYP3A4 (CYP3A4 Products)
Background:	Synonyms: CP33, CP34, CYP3A, CYP3A1, CYP3A3, CYP3A4, CYP3A4, CYP3A4, Cytochrome P450 3A4, Cytochrome P450 family 3 subfamily A polypeptide 4, Cytochrome P450 subfamily IIIA polypeptide 3, Cytochrome P450 subfamily IIIA polypeptide 4, cytochrome P450, family 3,

Target Details

subfamily a, polypeptide 1, glucocorticoid inducible P450, HLP, MGC126680, NF 25, NF25, Nedipine oxidase, Niphedipine oxidase, P450 III steroid inducible, P450 PCNPCNC inducible, P450 PCN1, P450C3, P450PCN1, Quinine 3 monooxygenase, Taurochenodeoxycholate 6 alpha hydroxylase, CP3A4_HUMAN.

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 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. [provided by RefSeq].

Molecular Weight: 58kDa

Gene ID: 1576

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: WB(1:100-500)
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

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

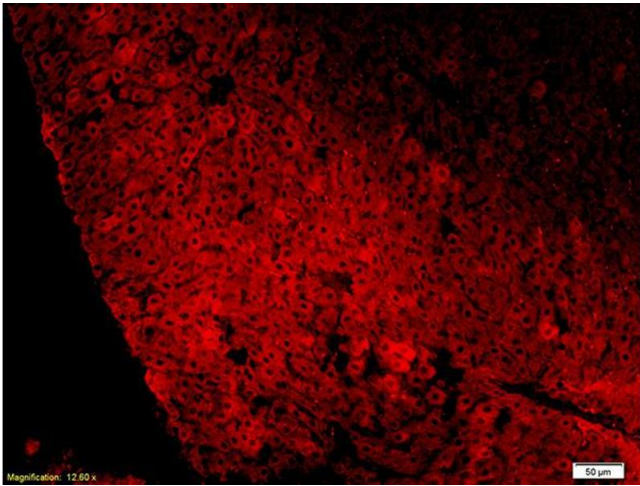
Storage: -20 °C

Handling

Storage Comment: Store at -20°C for 12 months.

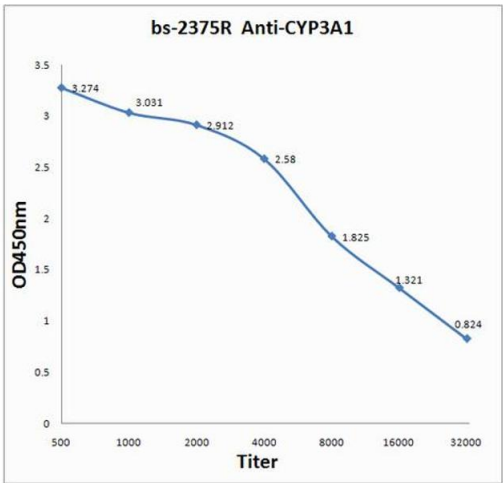
Expiry Date: 12 months

Images



Immunofluorescence

Image 1. Formalin-fixed and paraffin embedded rat liver labeled with Anti-CYP3A1 Polyclonal Antibody, Unconjugated (ABIN680138) at 1:200 followed by conjugation to the secondary antibody



ELISA

Image 2. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450nm.