

Datasheet for ABIN7091023
anti-CYP3A4 antibody (AA 201-300)



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Overview

Quantity:	100 µL
Target:	CYP3A4
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP3A4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CYP3A4
Clone:	D12E2
Isotype:	IgM
Predicted Reactivity:	Human

Target Details

Target:	CYP3A4
Alternative Name:	CYP3A4 (CYP3A4 Products)
Background:	Synonyms: ytochrome p450 3A4, CP33, CP34, CYP3A, CYP3A3, CYP3A4, CYP11A4, CYP11A3, Cytochrome P450 family 3 subfamily A polypeptide 4, Cytochrome P450 subfamily IIIA

Target Details

polypeptide 4, Glucocorticoid inducible P450, HLP, MGC126680, NF 25, NF25, P450 III steroid inducible, P450 PCN1, P450C3, P450PCN1, Quinine 3 monooxygenase, Taurochenodeoxycholate 6 alpha hydroxylase, CP3A4_HUMAN, 1,8-cineole 2-exo-monooxygenase, Albendazole monooxygenase, Albendazole sulfoxidase, Cytochrome P450 3A3, Cytochrome P450 HLp, Cytochrome P450 NF-25, Cytochrome P450-PCN1, Nifedipine oxidase, Quinine 3-monooxygenase, Taurochenodeoxycholate 6-alpha-hydroxylase.

Background: Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulfoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. The enzyme also hydroxylates etoposide.

Gene ID: 1576

UniProt: [P08684](#)

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months