

Datasheet for ABIN7091017
anti-CYP1A2 antibody (AA 201-300)



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Overview

Quantity:	100 µL
Target:	CYP1A2
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP1A2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CYP1A2
Clone:	B7F5
Isotype:	IgG3
Predicted Reactivity:	Human

Target Details

Target:	CYP1A2
Alternative Name:	CYP1A2 (CYP1A2 Products)
Background:	Synonyms: Cytochrome P450 1A2, cytochrome P450, family 1, subfamily a, polypeptide 2, Cytochrome P450 family 1 polypeptide 2, Cytochrome P450 subfamily I aromatic compound

Target Details

inducible polypeptide 2, Cyp1a2, CYPD45, P-450d, RATCYPD45, CP12, CP 12, P3-450, Aryl hydrocarbon hydroxylase, Dioxin inducible P3 45, Flavoprotein linked monooxygenase, Microsomal monooxygenase, P450 4, P450 form 4, P450 P3, P450(PA), Xenobiotic monooxygenase, P450 1A2.

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 oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Most active in catalyzing 2-hydroxylation. Caffeine is metabolized primarily by cytochrome CYP1A2 in the liver through an initial N3-demethylation. Also acts in the metabolism of aflatoxin B1 and acetaminophen. Participates in the bioactivation of carcinogenic aromatic and heterocyclic amines. Catalyzes the N-hydroxylation of heterocyclic amines and the O-deethylation of phenacetin.

Gene ID: 1544

UniProt: [P05177](#)

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