

Cytochrome P450 1A2 Antibody FITC Conjugated

Catalog No: #C04203F

Package Size: #C04203F 100ul

Description

Product Name	Cytochrome P450 1A2 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	HuB MsB RtB
Immunogen Description	KLH conjugated synthetic peptide aa 245-285 513 derived from human Cytochrome P450 1A2
Conjugates	FITC
Target Name	Cytochrome P450 1A2
Other Names	CP12; P3-450; P450(PA); Cytochrome P450 1A2; CYP1A2; Cytochrome P(3)450; Cytochrome P450 4; Cytochrome P450-P3; CYP1A2
Accession No.	Swiss-Prot#P05177NCBI Gene ID1544
Concentration	1mg/ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200B

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.