



CP2F1 Monoclonal Antibody

Catalog No	YP-mAb-05044
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CYP2F1
Immunogen	Synthesized peptide derived from human protein . at AA range: 210-290
Specificity	CP2F1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C2F1;CYP2F;CYP2F1;CYPIIF1;Cytochrome P450 2F1;CP2F1;Cytochrome P450 2F1 (EC 1.14.14.1) (CYPIIF1)
Observed Band	50-60 kDa
Calculated Molecular Weight	491 aa, 56 kDa
Cell Pathway	Endoplasmic reticulum membrane ; Peripheral membrane protein . Microsome membrane ; Peripheral membrane protein .
Tissue Specificity	Expressed in lung. Rarely detected in liver and placenta.
Function	catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O.,cofactor:Heme group.,function:Is able to dealkylate ethoxycoumarin, propoxycoumarin, and pentoxyresorufin but possesses no activity toward ethoxyresorufin and only trace dearylation activity toward benzyloxyresorufin. Bioactivates 3-methylindole (3MI) by dehydrogenation to the putative electrophile 3-methylene-indolenine.,similarity:Belongs to the cytochrome P450 family.,
Background	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and



other lipids. This protein localizes to the endoplasmic reticulum and is known to dehydrogenate 3-methylindole, an endogenous toxin derived from the fermentation of tryptophan, as well as xenobiotic substrates such as naphthalene and ethoxycoumarin. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images