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anti-CYP1A2 antibody (AA 205-305)

Images

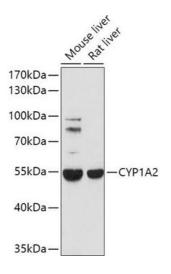


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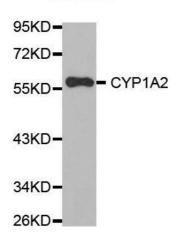
Quantity:	100 μg
Target:	CYP1A2
Binding Specificity:	AA 205-305
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP1A2 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 205-305 of human CYP1A2 (NP_000752.2).
Sequence:	FGQHFPESSD EMLSLVKNTH EFVETASSGN PLDFFPILRY LPNPALQRFK AFNQRFLWFL QKTVQEHYQD FDKNSVRDIT GALFKHSKKG PRASGNLIPQ E
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CYP1A2			
Alternative Name:	CYP1A2 (CYP1A2 Products)			
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. The protein encoded by			
	this gene localizes to the endoplasmic reticulum and its expression is induced by some			
	polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The			
	enzyme's endogenous substrate is unknown, however, it is able to metabolize some PAHs to			
	carcinogenic intermediates. Other xenobiotic substrates for this enzyme include caffeine,			
	aflatoxin B1, and acetaminophen. The transcript from this gene contains four Alu sequences			
	flanked by direct repeats in the 3' untranslated region.,CYP1A2,CP12,P3-			
	450,P450(PA),CYPIA2,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial			
	metabolism,Cytochromes,Lipid Metabolism,Cytochromes,Lipases,Drug			
	metabolism,Cardiovascular,Lipids,CYP1A2			
Molecular Weight:	58 kDa			
Gene ID:	1544			
UniProt:	P05177			
Application Details				
Application Notes:	WB,1:500 - 1:2000			
Restrictions:	For Research Use only			
Handling				
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.			
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:	should be handled by trained staff only. -20 °C			



Mouse liver



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CYP1 antibody (ABIN1679470, ABIN3015030, ABIN3015031 and ABIN6213604) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Western Blotting

Image 2.