CYP2A6/7/13 Polyclonal Antibody

Cat No: HR1AP4934

For research use only

Overview

Product Name	CYP2A6/7/13 Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	56kDa
GeneID?Human?	CYP2A6/CYP2A7/CYP2A13
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	CYP2A6; CYP2A3; Cytochrome P450 2A6; 1,4-cineole 2-exo-monooxygenase; CYPIIA6; Coumarin 7-hydroxylase; Cytochrome P450 IIA3; Cytochrome P450(I); CYP2A7; Cytochrome P450 2A7; CYPIIA7; Cytochrome P450 I
Background	cytochrome P450 family 2 subfamily A member 6(CYP2A6) Homo sapiens This gene, CYP2A6, 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 its expression is induced by phenobarbital. The enzyme is known to hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. Individuals with certain allelic variants are said to have a poor metabolizer phenotype, meaning they do not efficiently metabolize coumarin or nicotine. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. The gene was formerly referred to as CYP2A3; however, it has been renamed CYP2A6. [provided by RefSeq, Jul 2008],