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anti-CYP1A1 antibody





Overview

Quantity:	60 μL
Target:	CYP1A1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP1A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

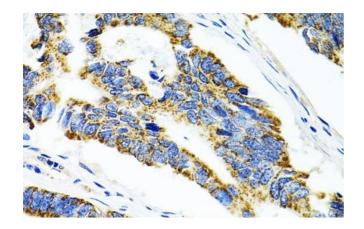
Immunogen:	Recombinant fusion protein of human CYP1A1 (NP_000490.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	CYP1A1
Alternative Name:	CYP1A1 (CYP1A1 Products)
Background:	This gene, CYP1A1, 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 some polycyclic aromatic

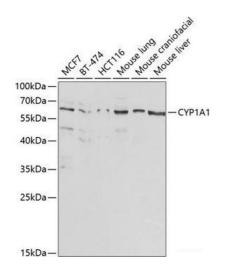
Target Details	
	hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown, however, it is able to metabolize some PAHs to carcinogenic intermediates. The gene has been associated with lung cancer risk. A related family member, CYP1A2, is located approximately 25 kb away from CYP1A1 on chromosome 15. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Molecular Weight:	Observed_MW: 63 kDa Calculated_MW: 18 kDa/20 kDa/58 kDa
Gene ID:	1543
UniProt:	P04798
Pathways:	Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha
Application Details	
Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Format:	Liquid
Concentration:	1 mg/mL
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



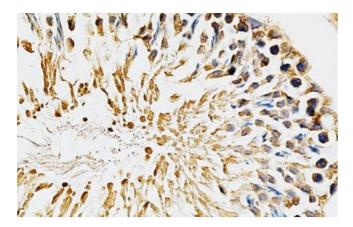
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human colon carcinoma using CYP1A1 Polyclonal Antibody at dilution of 1:100 (40x lens).



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using CYP1A1 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Rat testis using CYP1A1 Polyclonal Antibody at dilution of 1:200 (40x lens).

Please check the product details page for more images. Overall 4 images are available for ABIN7010003.