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# anti-CYP1A2 antibody

3 Images



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#### Overview

Quantity:	200 μL
Target:	CYP1A2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP1A2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

#### **Product Details**

Immunogen:	Synthetic peptide of human CYP1A2
Isotype:	IgG
Characteristics:	Polyclonal Antibody
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

#### **Target Details**

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.

Molecular Weight: 58 kDa

NCBI Accession: NP\_000752

UniProt: P05177

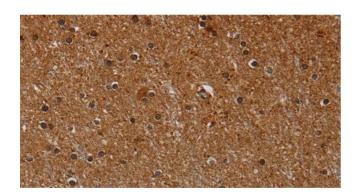
#### **Application Details**

Application Notes: WB 1:200-1:1000, IHC 1:50-1:200

Restrictions: For Research Use only

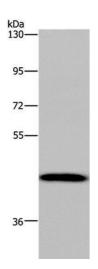
#### Handling

Format:	Liquid
Concentration:	0.3 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
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.



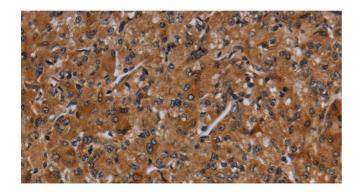
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Human brain using CYP1A2 Polyclonal Antibody at dilution of 1:40



#### **Western Blotting**

**Image 2.** Western Blot analysis of Human hepatocellular carcinoma tissue using CYP1A2 Polyclonal Antibody at dilution of 1:440



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Human prostate cancer using CYP1A2 Polyclonal Antibody at dilution of 1:40