CYP1A2 Antibody

Catalog No: #37789

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Description

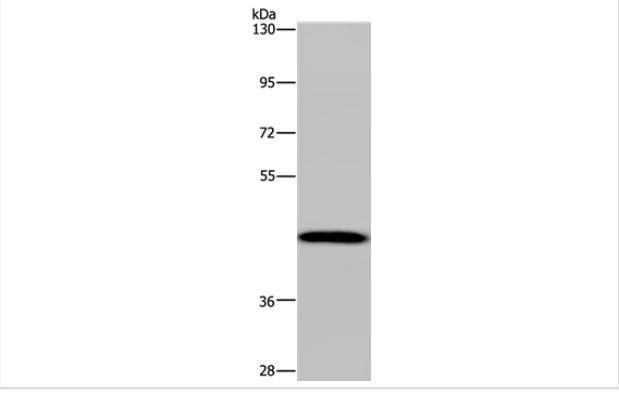
Product Name	CYP1A2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CYP1A2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human cytochrome P450, family 1, subfamily A, polypeptide 2
Target Name	CYP1A2
Other Names	CP12; P3-450; P450(PA)
Accession No.	Swiss-Prot#: P05177NCBI Gene ID: 1544Gene Accssion: NP_000752
Uniprot	P05177
GeneID	1544;
SDS-PAGE MW	58kd
Concentration	2.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

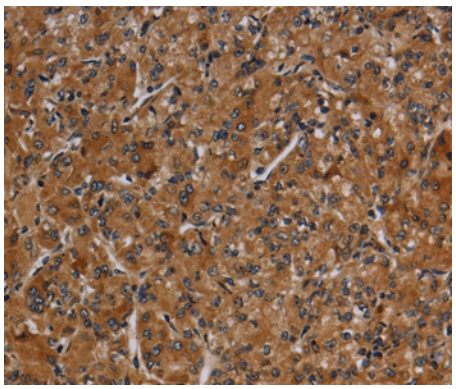
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:50-1:200

Images



Gel: 6%SDS-PAGE
Lysate: 40ug Human hepatocellular carcinoma tissue
Primary antibody: 1/440 dilution
Secondary antibody dilution: 1/8000
Exposure time: 3 minutes



Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue using #37789 at dilution 1/40.

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.

Note: This product is for in vitro research use only