
Product Name: Cytochrome P450 1A2 Rabbit Monoclonal Antibody**Catalog #: AMRe86962**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:5000,ICC/IF 1:200-1:500,FC 1:50-1:200
Molecular Weight	Calculated MW:58 kDa; Observed MW:58 kDa

Antigen Information

Gene Name	Cytochrome P450 1A2
Alternative Names	CP12; CYPIA2; P3-450; P450(PA)
Gene ID	1544
SwissProt ID	P05177
Immunogen	A synthetic peptide of human Cytochrome P450 1A2

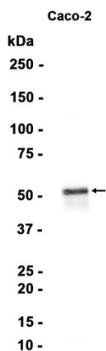
Background

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. [provided by RefSeq, Jul 2008]

Research Area

Image Data



Western blot analysis of extracts from Caco-2 cells using Cytochrome P450 1A2 Rabbit Monoclonal Antibody at 1:1000.