Anti-CYP1A2 antibody

Cat. No.	ml162003
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-CYP1A2 rabbit polyclonal antibody
Applications	ELISA, WB
Immunogen	Synthetic peptide of human CYP1A2
Reactivity	Human, Mouse
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	CYP1A2
Full name	cytochrome P450, family 1, subfamily A, polypeptide 2
Synonyms	CP12; P3-450; P450(PA)
Swissprot	P05177

Target 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.

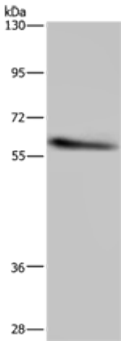
Applications

Western blotting

Predicted band size:58 kDa

Positive control:Mouse liver tissue

Recommended dilution: 200-1000



Gel: 6%SDS-PAGE

Lysate: 40 μg

Lane: Mouse liver tissue

Primary antibody: ml162003(CYP1A2 Antibody) at dilution 1/290

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds

ELISA

Recommended dilution:1000-2000

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