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# anti-CYP2A6 antibody



Image



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### Overview

Quantity:	200 μL
Target:	CYP2A6
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP2A6 antibody is un-conjugated
Application:	Immunofluorescence (IF)

# **Product Details**

Immunogen:	Recombinant fusion protein of human CYP2A6 (NP_000753.3).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

# **Target Details**

Target:	CYP2A6
Alternative Name:	CYP2A6 (CYP2A6 Products)
Background:	This gene, CYP2A6, 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 phenobarbital. The enzyme is

# **Target Details**

known to hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. Individuals with certain allelic variants are said to have a poor metabolizer phenotype, meaning they do not efficiently metabolize coumarin or nicotine. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. The gene was formerly referred to as CYP2A3, however, it has been renamed CYP2A6.

Gene ID:

1548

UniProt:

P11509

# **Application Details**

Application Notes:

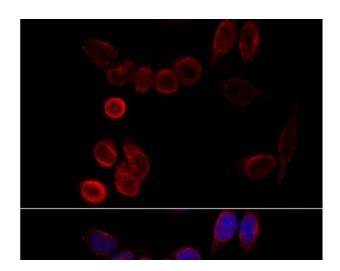
IF 1:50-1:200

Restrictions:

For Research Use only

# Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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.



# Immunofluorescence

**Image 1.** Immunofluorescence analysis of HeLa cells using CYP2A6 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.