

CYP2A6 Rabbit Polyclonal Antibody



CAB15044

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

Calculated MW:

56kDa

Applications:

WB IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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 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.

Immunogen information

Gene ID:

1548

Uniprot

P11509

Synonyms:

CYP2A6; CPA6; CYP2A; CYP2A3; CYP11A6; P450C2A; P450PB

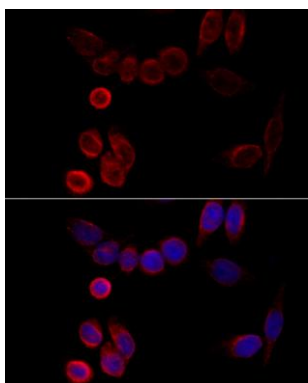
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 91-300 of human CYP2A6 (NP_000753.3).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Immunofluorescence analysis of HeLa cells using CYP2A6 antibody (CAB15044) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.