

## CYP1A2 rabbit pAb antibody

| Catalog No : | Source: | Concentration : | Mol.Wt. (Da): |
|--------------|---------|-----------------|---------------|
| A13283       | Rabbit  | 1 mg/ml         | 58294         |

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | IHC,ELISA  |
| <b>Reactivity</b>            | Human,Mouse,Rat  |
| <b>Dilution</b>              | IHC: 1:100 - 1:300. ELISA: 1:10000. Not yet tested in other applications.  |
| <b>Storage</b>               | -20°C/1 year   |
| <b>Specificity</b>           | CYP1A2 Polyclonal Antibody detects endogenous levels of CYP1A2 protein.  |
| <b>Source / Purification</b> | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Immunogen</b>             | The antiserum was produced against synthesized peptide derived from human Cytochrome P450 1A2. AA range:331-380  |
| <b>Uniprot No</b>            | P05177   |
| <b>Alternative names</b>     | CYP1A2; Cytochrome P450 1A2; CYP1A2; Cytochrome P(3)450; Cytochrome P450 4; Cytochrome P450-P3   |
| <b>Form</b>                  | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Clonality</b>             | Polyclonal   |
| <b>Isotype</b>               | IgG  |
| <b>Conjugation</b>           |  |
| <b>Background</b>            | cytochrome P450 family 1 subfamily A member 2(CYP1A2) Homo sapiens<br>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], |
| <b>Other</b>                 | CYP1A2, Cytochrome P450 1A2  |

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**Product Images:****Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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