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Datasheet for ABIN7149206

## anti-CYP1A2 antibody (AA 268-445)

### 1 Image

#### Overview

|                      |                                       |
|----------------------|---------------------------------------|
| Quantity:            | 100 µg                                |
| Target:              | CYP1A2                                |
| Binding Specificity: | AA 268-445                            |
| Reactivity:          | Human                                 |
| Host:                | Rabbit                                |
| Clonality:           | Polyclonal                            |
| Conjugate:           | This CYP1A2 antibody is un-conjugated |
| Application:         | ELISA, Immunohistochemistry (IHC)     |

#### Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant Human Cytochrome P450 1A2 protein (268-445AA) |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | >95%, Protein G purified                                  |

#### Target Details

|                   |   |
|-------------------|---|
| Target:           | CYP1A2  |
| Alternative Name: | CYP1A2 ( <a href="#">CYP1A2 Products</a> )  |
| Background:       | Background: Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It |

## Target Details

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oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Most active in catalyzing 2-hydroxylation. Caffeine is metabolized primarily by cytochrome CYP1A2 in the liver through an initial N3-demethylation. Also acts in the metabolism of aflatoxin B1 and acetaminophen. Participates in the bioactivation of carcinogenic aromatic and heterocyclic amines. Catalyzes the N-hydroxylation of heterocyclic amines and the O-deethylation of phenacetin.

Aliases: Aryl hydrocarbon hydroxylase antibody, CP 12 antibody, CP12 antibody, CP1A2\_HUMAN antibody, CYP1A2 antibody, CYP1A2 antibody, Cytochrome P(3)450 antibody, Cytochrome P450 1A2 antibody, Cytochrome P450 4 antibody, Cytochrome P450 family 1 polypeptide 2 antibody, Cytochrome P450 family 1 subfamily A polypeptide 2 antibody, Cytochrome P450 subfamily I aromatic compound inducible polypeptide 2 antibody, Cytochrome P450-P3 antibody, Cytochrome P4501A2 antibody, Dioxin inducible P3 450 antibody, Flavoprotein linked monooxygenase antibody, Flavoprotein-linked monooxygenase antibody, Microsomal monooxygenase antibody, P(3)450 antibody, P3 450 antibody, P450 4 antibody, P450 form 4 antibody, P450 P3 antibody, P450(PA) antibody, Xenobiotic monooxygenase antibody

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UniProt: [P05177](#)

## Application Details

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Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

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Format: Liquid

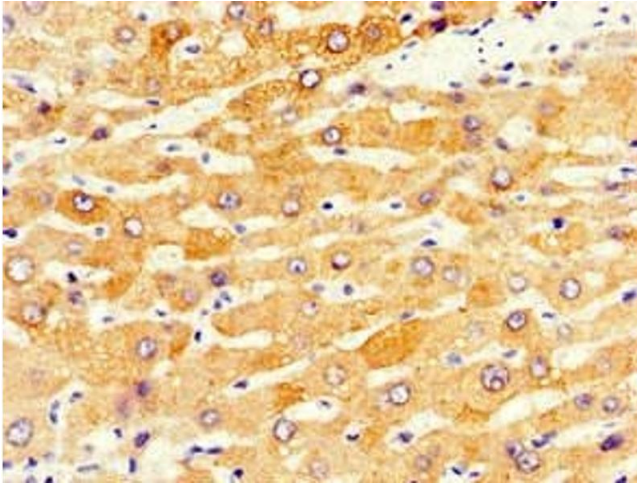
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7149206 at dilution of 1:100