

For Research Use Only

# CYP1A2-Specific Recombinant antibody, PBS Only

Catalog Number: 84751-1-PBS



## Basic Information

Catalog Number:

84751-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000761

GeneID (NCBI):

1544

UNIPROT ID:

P05177

Full Name:

cytochrome P450, family 1, subfamily A, polypeptide 2

Calculated MW:

58 kDa

Observed MW:

58 kDa

Purification Method:

Protein A purification

CloneNo.:

241922C4

## Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

CYP1A2, also named as CP12; P3-450 and P450(PA), belongs to the cytochrome P450 family. Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, CYP1A2 is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Most active of CYP1A2 is in catalyzing 2-hydroxylation. Caffeine is metabolized primarily by cytochrome CYP1A2 in the liver through an initial N3-demethylation. It also acts in the metabolism of aflatoxin B1 and acetaminophen. CYP1A2 participates in the bioactivation of carcinogenic aromatic and heterocyclic amines. It catalyzes the reaction:  $RH + \text{reduced flavoprotein} + O_2 = ROH + \text{oxidized flavoprotein} + H_2O$ . The antibody is specific to CYP1A2.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data

