For Research Use Only

CYP1A2-Specific Recombinant antibody proteintech®

Catalog Number:84751-1-RR

| Basic Information | Catalog Number: 84751-1-RR | GenBank Accession Number: NM_000761 | Purification Method: Protein A purfication | |
|------------------------|--|--|---|--|
| | Size: | GeneID (NCBI): | CloneNo.: | |
| | 1000 µg/ml | 1544 | 241922C4 | |
| | Source: | UNIPROT ID: | Recommended Dilutions: | |
| | Rabbit | P05177 | IHC 1:125-1:500 | |
| | lsotype: IgG | Full Name: cytochrome P450, family 1, subfamily A, polypeptide 2 Calculated MW: 58 kDa | | |
| | | | | |
| | | Observed MW: | | |
| | | 58 kDa | | |
| Applications | Tested Applications: | Positive C | Positive Controls: IHC : mouse liver tissue, | |
| | IHC, ELISA | IHC : mou | | |
| | Species Specificity: | | | |
| | human, mouse | | | |
| | Note-IHC: suggested with TE buffer pH 9.0 antigen retrieval ma with citrate buffer ph |); (*) Alternatively, y be performed | | |
| 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 catalizes the reaction: RH + reduced flavoprotein + O2 = ROH + oxidized flavoprotein + H2O. The antibody is specific to CYP1A2. | | | |
| Storage | Storage: Store at -20°C. Stable for one Storage Buffer: | year after shipment. | | |

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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

Antibodies | ELISA kits | Proteins Uni-rAb www.ptglab.com

Selected Validation Data



Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using 84751-1-RR (CYP1A2-Specific antibody) at dilution of 1:250 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using 84751-1-RR (CYP1A2-Specific antibody) at dilution of 1:250 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).