

# Rabbit anti-Human, Rat Cytochrome P450 1B1 Monoclonal Antibody | anti-CYP4501B1 antibody

Cytochrome P450 1B1 Rabbit mAb

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA269326 | Rabbit | Human, Rat | Immunohistochemistry, Western Blot |

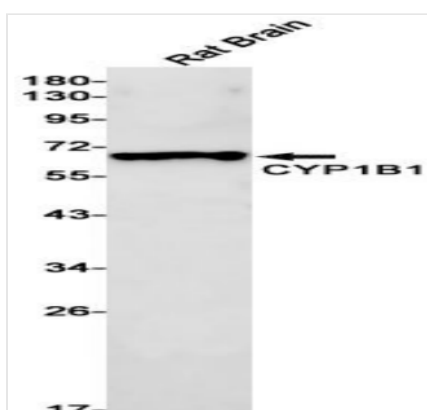
## PRODUCT SYNONYMS

Cytochrome P450 1B1; Monoclonal Antibody; Cytochrome P450 1B1 Rabbit mAb; CYP1B1; CYP1B1; anti-CYP4501B1 antibody

## PRODUCT SPECIFICATIONS

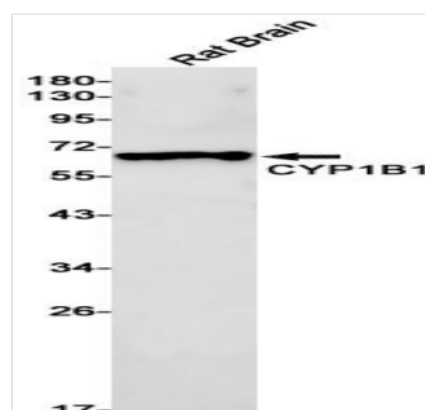
|                                                     |                                                                                                        |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                                                 |
| Reactivity                                          | Human, Rat                                                                                             |
| Clonality                                           | Monoclonal                                                                                             |
| Isotype                                             | IgG                                                                                                    |
| Clone Number                                        | R02-5A3                                                                                                |
| Purity/Purification                                 | Affinity Purified                                                                                      |
| Form/Format                                         | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                 |
| Applicable Applications for anti-CYP4501B1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                          |
| Immunogen                                           | Recombinant protein of human CYP1B1                                                                    |
| Preparation and Storage                             | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |

## IMAGES



**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human breast cancer using CYP1B1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



**WB (Western Blot)**

Western blot analysis of CYP1B1 in rat Brain lysates using Cytochrome P450 1B1 antibody.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CYP4501B1 antibody | Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics |
| Product Categories/Family for anti-CYP4501B1 antibody   | Primary Antibody                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 189491763                                                                                                                                                                                                                                |
| NCBI GeneID                      | 1545                                                                                                                                                                                                                                     |
| NCBI Accession #                 | NP_000095.2                                                                                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_000104.3                                                                                                                                                                                                                              |
| UniProt Accession #              | Q16678; Q5TZW8; Q93089; Q9H316                                                                                                                                                                                                           |
| Molecular Weight                 | 60,846 Da                                                                                                                                                                                                                                |
| NCBI Official Full Name          | cytochrome P450 1B1                                                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | cytochrome P450, family 1, subfamily B, polypeptide 1                                                                                                                                                                                    |
| NCBI Official Symbol             | CYP1B1                                                                                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | CP1B; GLC3A; CYP1B1; P4501B1                                                                                                                                                                                                             |
| NCBI Protein Information         | cytochrome P450 1B1; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily I (dioxin-inducible), polypeptide 1 (glaucoma 3, primary infantile) |
| UniProt Protein Name             | Cytochrome P450 1B1                                                                                                                                                                                                                      |
| UniProt Gene Name                | CYP1B1                                                                                                                                                                                                                                   |
| UniProt Entry Name               | CP1B1_HUMAN                                                                                                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.