Anti-Cytochrome P450 2D6 Antibody
Catalog # ABO10720

Specification

**Anti-Cytochrome P450 2D6 Antibody - Product Information**

<table>
<thead>
<tr>
<th>Application</th>
<th>WB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Accession</td>
<td>P10635</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Mouse, Rat</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Format</td>
<td>Lyophilized</td>
</tr>
</tbody>
</table>

**Description**
Rabbit IgG polyclonal antibody for Cytochrome P450 2D6(CYP2D6) detection. Tested with WB, IHC-P in Mouse; Rat.

**Reconstitution**
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Cytochrome P450 2D6 Antibody - Additional Information**

**Gene ID** 1565

**Other Names**
Cytochrome P450 2D6, 1.14.14.1, CYP11D6, Cholesterol 25-hydroxylase, Cytochrome P450-DB1, Debrisoquine 4-hydroxylase, CYP2D6, CYP2DL1

**Calculated MW**
55769 MW KDa

**Application Details**
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Rat, Mouse, By Heat<br>Western blot, 0.1-0.5 µg/ml, Rat, Mouse<br>

**Subcellular Localization**
Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein.

**Protein Name**
Cytochrome P450 2D6

**Contents**
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

**Immunogen**
A synthetic peptide corresponding to a sequence in the middle region of mouse Cytochrome P450 2D6(194-214aa)

**Anti-Cytochrome P450 2D6 Antibody - Background**

Cytochrome P450 2D6(CYP2D6) is one of the most important enzymes involved in the metabolism of xenobiotics in the body. It is a member of Cytochrome P450, family 2, subfamily D, polypeptide 6. Its gene is mapped to chromosome 22q13.1. It has got 497 amino acid proteins which shares 73% sequence identity with the rat protein. CYP2D6 is highly expressed in human liver. CYP2D6 is the major isozyme involved in the formation of N-hydroxyprocainamide, a metabolite potentially involved in the drug-induced lupus syndrome observed with procainamide
FACRFYNDPRFIRLLDLLKD), identical to the related rat sequence.

**Purification**
Immunogen affinity purified.

**Cross Reactivity**
No cross reactivity with other proteins

**Storage**
At -20˚C for one year. After constitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing.

**Sequence Similarities**
Belongs to the cytochrome P450 family.

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**Anti-Cytochrome P450 2D6 Antibody - Protein Information**

**Name** CYP2D6

**Synonyms** CYP2DL1

**Function**
Responsible for the metabolism of many drugs and environmental chemicals that it oxidizes. It is involved in the metabolism of drugs such as antiarrhythmics, adrenoceptor antagonists, and tricyclic antidepressants.

**Cellular Location**
Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein

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**Anti-Cytochrome P450 2D6 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture