



# Anti-CYP2D4 (C-terminal) polyclonal antibody (CPBT-30232RR)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Rat CYP2D4.
<b>Antigen Description</b>	has N-demethylation activity toward the antidepressant imipramine
<b>Immunogen</b>	Synthetic pentapeptide which corresponding to the C terminal of rat liver Cytochrome P450 2D4 which was conjugated to keyhole limpet haemocyanin using a maleimido linkage.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Rat
<b>Purification</b>	Whole antiserum
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-Fr, IHC-P
<b>Cellular Localization</b>	Endoplasmic reticulum
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Preservative: 0.01% Sodium Azide Constituents: Whole serum
<b>Preservative</b>	0.01% Sodium Azide
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">Cyp2d4 cytochrome P450, family 2, subfamily d, polypeptide 4 [ Rattus norvegicus ]</a>
Official Symbol	CYP2D4
Synonyms	CYP2D4; cytochrome P450, family 2, subfamily d, polypeptide 4; Cyp2d18; CYP2D4; Cyp2d4v1; CYP11D18; cytochrome P450 2d18; cytochrome P450 family 2 subfamily d polypeptide 22; Cytochrome P450 subfamily IID4; Debrisoquine 4 hydroxylase; CYP11D4; CYP11D18; P450-DB4; P450-CMF3; P450 2D-29/2D-35; cytochrome P450 2D4; cytochrome P450-DB4; cytochrome P450 2d18; cytochrome P450-CMF3; cytochrome P450 2D-29; cytochrome P450 2D-35; debrisoquine 4-hydroxylase; Cytochrome P450, subfamily IID4; cytochrome P450, subfamily 2D, polypeptide 6; cytochrome P450, subfamily IID, polypeptide 6; cytochrome P450, family 2, subfamily d, polypeptide 22; Cyp2d6; Cyp2d18; Cyp2d22; Cyp2d4v1; Cyp2d4v2;
Entrez Gene ID	<a href="#">171522</a>
Protein Refseq	<a href="#">NP_612524</a>
UniProt ID	<a href="#">Q64680</a>
Pathway	Biological oxidations, organism-specific biosystem; Cytochrome P45 - arranged by substrate type, organism-specific biosystem; Drug metabolism - cytochrome P45, organism-specific biosystem; Drug metabolism - cytochrome P45, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of xenobiotics by cytochrome P45, organism-specific biosystem; Metabolism of xenobiotics by cytochrome P45, conserved biosystem; Phase 1 - Functionalization of compounds, organism-specific biosystem.
Function	arachidonic acid monooxygenase activity; aromatase activity; drug binding; electron carrier activity; heme binding; heme binding; metal ion binding; monooxygenase activity; monooxygenase activity; monooxygenase activity; oxidoreductase activity; steroid 2