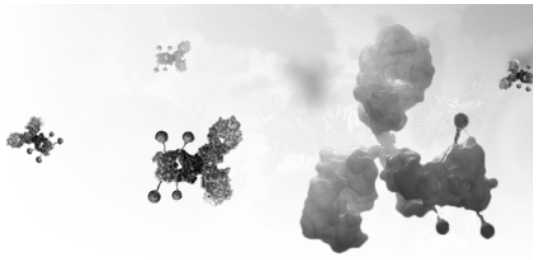

Anti-CYP2D6 polyclonal antibody (CPBT-67710RH)

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

PRODUCT INFORMATION

Product Overview	This product recognises human cytochrome p450 2D6 (CYP2D6). P450 enzymes are divided into two groups: steroidogenic and xenobiotic. The latter group is comprised of three families 1, 2 and 3. The xenobiotic p450s are involved in most oxidative drug metabolism. Work in this area is ongoing but studies suggest that all known drug metabolism is mediated by family members:CYP3A, CYP2D6, CYP1A2, CYP2C9/10, CYP2C19 and CYP2E1. is a neutralizing antibody which is a specific and potent inhibitor of CYP2D6 activity.
Specificity	CYP2D6
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	FA; WB
Format	Serum - liquid
Size	50 µl
Preservative	None
Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

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Gene Name	CYP2D6 cytochrome P450, family 2, subfamily D, polypeptide 6 [Homo sapiens (human)]
Official Symbol	CYP2D6
Synonyms	CYP2D6; cytochrome P450, family 2, subfamily D, polypeptide 6; CPD6; CYP2D; CYP2DL1; CYPIID6; P450C2D; P450DB1; CYP2D7AP; CYP2D7BP; CYP2D7P2; CYP2D8P2; P450-DB1; cytochrome P450 2D6; cytochrome P450-DB1; microsomal monooxygenase; xenobiotic monooxygenase;
Entrez Gene ID	1565
Protein Refseq	NP_000097
UniProt ID	P10635
Chromosome Location	22q13.1
Pathway	Biological oxidations; CYP2E1 reactions; Codeine and morphine metabolism; Cytochrome P450 - arranged by substrate type; Defective CYP11A1 causes Adrenal insufficiency, congenital, with 46,XY sex reversal (AICSR); Defective CYP11B1 causes Adrenal hyperplasia 4 (AH4); Defective CYP11B2 causes Corticosterone methyloxidase 1 deficiency (CMO-1 deficiency); Defective CYP17A1 causes Adrenal hyperplasia 5 (AH5);
Function	arachidonic acid epoxygenase activity; aromatase activity; drug binding; heme binding; iron ion binding; monooxygenase activity; oxidoreductase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, reduced flavin or flavoprotein as one donor, and incorporation of one atom of oxygen; oxygen binding; steroid hydroxylase activity;

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