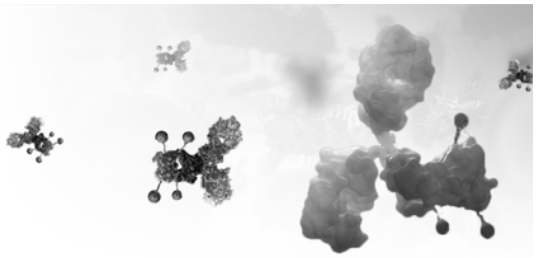

Anti-CYP1A2 polyclonal antibody (CPBT-67703RH)

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

PRODUCT INFORMATION

Product Overview	This product recognises human cytochrome p450 1A2 (CYP1A2). 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 CYP1A2 activity.
Specificity	CYP1A2
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	CYP1A2 cytochrome P450, family 1, subfamily A, polypeptide 2 [Homo sapiens (human)]
Official Symbol	CYP1A2
Synonyms	CYP1A2; cytochrome P450, family 1, subfamily A, polypeptide 2; CP12; P3-450; P450(PA); cytochrome P450 1A2; CYPIA2; P450 form 4; cytochrome P450 4; cytochrome P(3)450; cytochrome P450-P3; dioxin-inducible P3-450; microsomal monooxygenase; xenobiotic monoo
Entrez Gene ID	1544
Protein Refseq	NP_000752
UniProt ID	P05177
Chromosome Location	15q24.1
Pathway	Aflatoxin B1 metabolism; Aflatoxin activation and detoxification; AhR pathway; Arachidonic acid metabolism; Aromatic amines can be N-hydroxylated or N-dealkylated by CYP1A2; Arylamine metabolism; Biological oxidations; Caffeine metabolism;
Function	aromatase activity; caffeine oxidase activity; demethylase activity; electron carrier activity; enzyme 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;

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