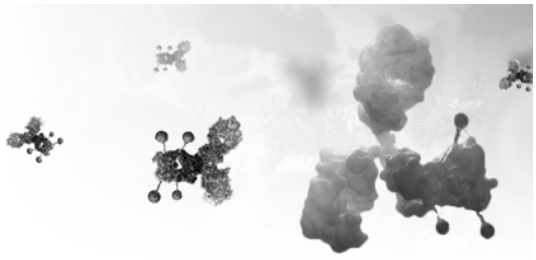

Anti-CYP2A7 monoclonal antibody (DCABH-11187)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum; its substrate has not yet been determined. This gene, which produces two transcript variants, is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q.
Immunogen	A synthetic peptide of human CYP2A7 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	CYP2A7 cytochrome P450, family 2, subfamily A, polypeptide 7 [Homo sapiens]
Official Symbol	CYP2A7
Synonyms	CYP2A7; cytochrome P450, family 2, subfamily A, polypeptide 7; cytochrome P450, subfamily IIA (phenobarbital inducible), polypeptide 7; cytochrome P450 2A7; CYP2A; cytochrome P450 IIA4; cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 7; CPA7; CPAD; CYPIIA7; P450-IIA4;
Entrez Gene ID	1549
Protein Refseq	NP_000755
UniProt ID	P20853
Chromosome Location	19q13.2
Pathway	Caffeine metabolism, organism-specific biosystem; Caffeine metabolism, conserved biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Fatty Acid Omega Oxidation, organism-specific biosystem;
Function	aromatase activity; electron carrier activity; heme binding; metal ion binding; oxygen binding;

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