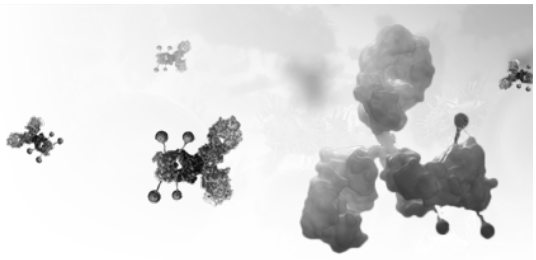

Anti-CYP3A43 monoclonal antibody (DCABH-11198)

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 enzyme has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, it is unknown whether the enzyme is also involved in xenobiotic metabolism. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing of this gene results in three transcript variants encoding different isoforms.
Immunogen	A synthetic peptide of human CYP3A43 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.

GENE INFORMATION

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Gene Name	CYP3A43 cytochrome P450, family 3, subfamily A, polypeptide 43 [Homo sapiens]
Official Symbol	CYP3A43
Synonyms	CYP3A43; cytochrome P450, family 3, subfamily A, polypeptide 43; cytochrome P450, subfamily IIIA, polypeptide 43; cytochrome P450 3A43; cytochrome P450 polypeptide 43; MGC119315; MGC119316;
Entrez Gene ID	64816
Protein Refseq	NP_073731
UniProt ID	Q9HB55
Chromosome Location	7q21.1
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; Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Linoleic acid metabolism, organism-specific biosystem.
Function	aromatase activity; electron carrier activity; heme binding; metal ion binding; monooxygenase activity; monooxygenase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen;

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