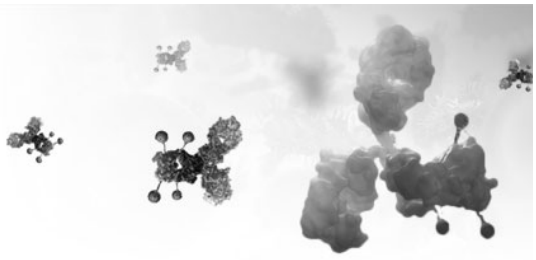

Anti-CYP39A1 monoclonal antibody (DCABH-11196)

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 endoplasmic reticulum protein is involved in the conversion of cholesterol to bile acids. Its substrates include the oxysterols 25-hydroxycholesterol, 27-hydroxycholesterol and 24-hydroxycholesterol.
Immunogen	A synthetic peptide of human CYP39A1 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

Gene Name	CYP39A1 cytochrome P450, family 39, subfamily A, polypeptide 1 [Homo sapiens]

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Official Symbol	CYP39A1
Synonyms	CYP39A1; cytochrome P450, family 39, subfamily A, polypeptide 1; cytochrome P450, subfamily XXXIX (oxysterol 7 alpha hydroxylase), polypeptide 1; 24-hydroxycholesterol 7-alpha-hydroxylase; hCYP39A1; cytochrome P450 39A1; oxysterol 7alpha-hydroxylase; oxysterol 7-alpha-hydroxylase; cytochrome P450, subfamily XXXIX (oxysterol 7 alpha-hydroxylase), polypeptide 1;
Entrez Gene ID	51302
Protein Refseq	NP_057677
UniProt ID	B7Z786
Chromosome Location	6p21.1-p11.2
Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Endogenous sterols, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Phase 1 - Functionalization of compounds, organism-specific biosystem;
Function	24-hydroxycholesterol 7alpha-hydroxylase activity; electron carrier activity; heme binding; metal ion binding; monooxygenase activity; oxysterol 7-alpha-hydroxylase activity; steroid 7-alpha-hydroxylase activity;

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