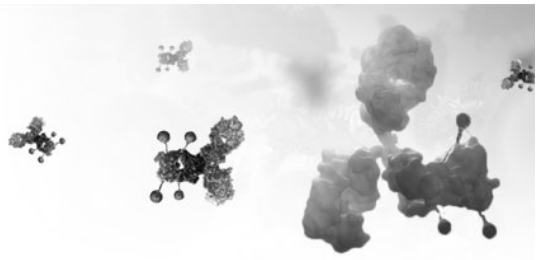

Anti-CYP26A1 monoclonal antibody (DCABH-11184)

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 acts on retinoids, including all-trans-retinoic acid (RA), with both 4-hydroxylation and 18-hydroxylation activities. This enzyme regulates the cellular level of retinoic acid which is involved in regulation of gene expression in both embryonic and adult tissues. Two alternatively spliced transcript variants of this gene, which encode the distinct isoforms, have been reported.
Immunogen	A synthetic peptide of human CYP26A1 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	CYP26A1 cytochrome P450, family 26, subfamily A, polypeptide 1 [Homo sapiens]
Official Symbol	CYP26A1
Synonyms	CYP26A1; cytochrome P450, family 26, subfamily A, polypeptide 1; cytochrome P450, subfamily XXVIA, polypeptide 1; cytochrome P450 26A1; CP26; CYP26; P450RAI; P450RAI1; hP450RAI; cytochrome P450RAI; retinoic acid 4-hydroxylase; P450, retinoic acid-inactivating, 1; retinoic acid-metabolizing cytochrome; cytochrome P450 retinoic acid-inactivating 1;
Entrez Gene ID	1592
Protein Refseq	NP_000774
UniProt ID	O43174
Chromosome Location	10q23-q24
Pathway	Adipogenesis, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Metabolism, organism-specific biosystem; Nuclear receptors in lipid metabolism and toxicity, organism-specific biosystem; Phase 1 - Functionalization of compounds, organism-specific biosystem; Retinol metabolism, organism-specific biosystem;
Function	electron carrier activity; heme binding; heme binding; metal ion binding; monooxygenase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen; oxygen binding; retinoic acid 4-hydroxylase activity;

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