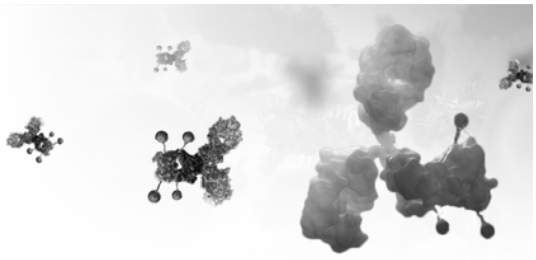

Rabbit Anti-Human CYP26A1 Polyclonal Antibody (CABT-L2274)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Cytochrome P450 26A1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against CYP26A1. It has been selected for its ability to recognize CYP26A1 in immunohistochemical staining and western blotting.
Target	CYP26A1
Immunogen	Recombinant fragment corresponding to human CYP26A1 (Arg73~Ile255)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Pig
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

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Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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. [provided by RefSeq, Jul 2008]
Keywords	CP26;CYP26;P450RAI;P450RAI1;hP450RAI;Cytochrome P450 retinoic acid-inactivating 1;Retinoic acid 4-hydroxylase;Retinoic acid-metabolizing cytochrome

GENE INFORMATION

Gene Name	CYP26A1 cytochrome P450, family 26, subfamily A, polypeptide 1 [Homo sapiens (human)]
Official Symbol	CYP26A1
Synonyms	CYP26A1; cytochrome P450, family 26, subfamily A, polypeptide 1; CP26; CYP26; P450RAI; P450RAI1; cytochrome P450 26A1; hP450RAI; cytochrome P450RAI; retinoic acid 4-hydroxylase; P450, retinoic acid-inactivating, 1; retinoic acid-metabolizing cytochrome; cytochrome P450 retinoic acid-inactivating 1; cytochrome P450, subfamily XXVIA, polypeptide 1;
Entrez Gene ID	1592
Protein Refseq	NP_000774
UniProt ID	O43174
Chromosome Location	10q23-q24
Pathway	Adipogenesis; Biological oxidations; Cytochrome P450 - arranged by substrate type; Defective CYP11A1 causes Adrenal insufficiency, congenital, with 46,XY sex reversal (AICSR); Defective CYP11B1 causes Adrenal hyperplasia 4 (AH4); Defective CYP11B2 causes Corticosterone methyloxidase 1 deficiency (CMO-1 deficiency); Defective CYP17A1 causes Adrenal hyperplasia 5 (AH5); Defective CYP19A1 causes Aromatase excess syndrome (AEXS);

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Function	heme binding; iron ion binding; oxygen binding; retinoic acid 4-hydroxylase activity; retinoic acid binding;

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