

Datasheet for ABIN307114  
**anti-CYP26A1 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	200 µg
Target:	CYP26A1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP26A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the C-terminus of the human CYP450 26A1 protein and mouse myeloma Ag8563 cells.
Clone:	F27 P6 A1
Isotype:	IgG2b
Cross-Reactivity:	Human
Characteristics:	CYP450 26 (EC 1.14.-.-), Retinoic acid-metabolizing cytochrome, P450 retinoic acid-inactivating 1, P450RAI, hP450RAI, Retinoic acid 4-hydroxylase, The cytochrome P450 proteins (CYPs) are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. P450 enzymes are classified into subfamilies based on their sequence similarities. CYP26A1, also referred to as retinoic acid-4-hydroxylase, is a major

## Product Details

retinoic acid catabolic enzyme. CYP26A1 plays an important role in protecting tailbud tissues from inappropriate exposure to retinoic acid. CYP26A1 transcription is epigenetically regulated by nuclear retinoic acid receptors 2. Mutations in the gene encoding for CYP26A1 are associated with caudal agenesis and spina bifida, imperforate anus, agenesis of the caudal portions of the digestive and urogenital tracts, and malformed lumbosacral skeletal elements. CYP26A1 is upregulated in adenomatous polyposis coli mouse adenomas, human FAP adenomas, human sporadic colon carcinomas, and in the intestine of adenomatous polyposis coli(mcr) mutant zebrafish embryos.

Purification: Protein A/G Chromatography

## Target Details

Target: CYP26A1

Alternative Name: Cytochrome p450 26A1 ([CYP26A1 Products](#))

Pathways: [Retinoic Acid Receptor Signaling Pathway](#), [Monocarboxylic Acid Catabolic Process](#)

## Application Details

Application Notes: Antibody can be used for Western blotting (1-2 µg/mL) and immunohistochemistry on formalin-fixed, paraffin-embedded tissues (1-5 µg/mL). Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

## Handling

Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

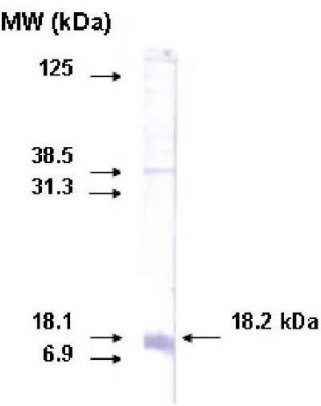
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

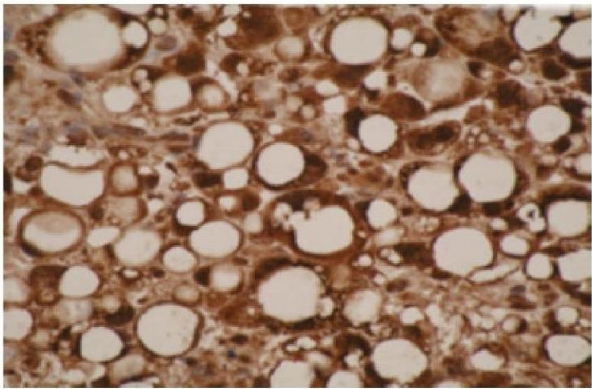
B.



Western Blotting

**Image 1.** Western blot on recombinant protein corresponding to C-terminal region of CYP26A1 protein using CYP26A1 antibody.

A.



Immunohistochemistry staining of Liposarcoma

Immunohistochemistry

**Image 2.** Immunohistochemical staining of liposarcoma cells using CYP26A1 antibody .