

Datasheet for ABIN7113268 **anti-CYP26B1 antibody**



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Overview

Quantity:	100 µg
Target:	CYP26B1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP26B1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	cytochrome P450, family 26, subfamily B, polypeptide 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	CYP26B1
Alternative Name:	CYP26B1 (CYP26B1 Products)
Background:	Synonyms:CYP26A2, P450RAI2 Background:Involved in the metabolism of retinoic acid(RA), rendering this classical morphogen inactive through oxidation. Involved in the specific inactivation of all-trans-retinoic acid(all-trans-RA), with a preference for the following

Target Details

substrates: all-trans-RA > 9-cis-RA > 13-cis-RA. Generates several hydroxylated forms of RA, including 4-OH-RA, 4-oxo-RA, and 18-OH-RA. Essential for postnatal survival. Plays a central role in germ cell development: acts by degrading RA in the developing testis, preventing STRA8 expression, thereby leading to delay of meiosis. Required for the maintenance of the undifferentiated state of male germ cells during embryonic development in Sertoli cells, inducing arrest in G0 phase of the cell cycle and preventing meiotic entry. Plays a role in skeletal development, both at the level of patterning and in the ossification of bone and the establishment of some synovial joints. Has also a significant activity in oxidation of tazarotenic acid and may therefore metabolize that xenobiotic in vivo.

Molecular Weight: 58-60 kDa

Gene ID: 56603

UniProt: [Q9NR63](#)

Pathways: [Retinoic Acid Receptor Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#), [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: WB: 1:500-1:2000, IP: 1:200-1:1000, IHC: 1:20-1:200, IF: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months