

DATASHEET

Cytochrome P450 26B1 Rabbit Polyclonal Antibody

CAT. NO. APA12290

KEY FEATURES

Target	Cytochrome P450 26B1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

A cytochrome P450 monooxygenase involved in the metabolism of retinoates (RAs), the active metabolites of vitamin A, and critical signaling molecules in animals, the active metabolites of vitamin A, and critical signaling molecules in animals. RAs exist as at least four different isomers: all-trans-RA (atRA), 9-cis-RA, 13-cis-RA, and 9,13-dicis-RA, where atRA is considered to be the biologically active isomer, although 9-cis-RA and 13-cis-RA also have activity (Probable). Catalyzes the hydroxylation of atRA primarily at C-4 and C-18, thereby contributing to the regulation of atRA homeostasis and signaling. Hydroxylation of atRA limits its biological activity and initiates a degradative process leading to its eventual elimination.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

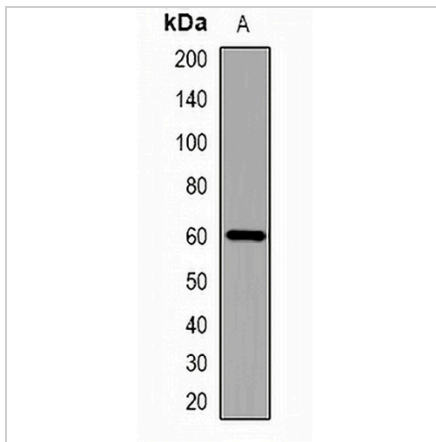
Description	Rabbit polyclonal antibody to Cytochrome P450 26B1
Specificity	Recognizes endogenous levels of Cytochrome P450 26B1 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cytochrome P450 26B1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 57 kD; Observed: 60 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CYP26A2; P450RAI2; Cytochrome P450 26B1; Cytochrome P450 26A2; Cytochrome P450 retinoic acid-inactivating 2; Cytochrome P450RAI-2; Retinoic acid-metabolizing cytochrome
Gene Symbol	CYP26B1
Entrez Gene	56603(Human); 232174(Mouse); 312495(Rat)
SwissProt	Q9NR63(Human); Q811W2(Mouse); G3V7X8(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Cytochrome P450 26B1 expression in mouse brain (A) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 60 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.