

Datasheet for ABIN7602913  
**anti-RAX2 antibody (C-Term)**



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## Overview

Quantity:	100 µg
Target:	RAX2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Purpose:	Anti-RAX2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human RAX2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RAX2 Antibody Picoband® (ABIN7602913). Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	RAX2
Alternative Name:	RAX2 ( <a href="#">RAX2 Products</a> )
Background:	<p>Synonyms: RNA-binding protein Nova-2, Astrocytic NOVA1-like RNA-binding protein, Neuro-oncological ventral antigen 2, NOVA2, ANOVA, NOVA3</p> <p>Tissue Specificity: Brain. Expression restricted to astrocytes.</p> <p>Background: This gene encodes a homeodomain-containing protein that plays a role in eye development. Mutation of this gene causes age-related macular degeneration type 6, an eye disorder resulting in accumulations of protein and lipid beneath the retinal pigment epithelium and within the Bruch's membrane. Defects in this gene can also cause cone-rod dystrophy type 11, a disease characterized by the initial degeneration of cone photoreceptor cells and resulting in loss of color vision and visual acuity, followed by the degeneration of rod photoreceptor cells, which progresses to night blindness and the loss of peripheral vision. Alternative splicing results in multiple transcript variants.</p>
Molecular Weight:	18 kDa
Gene ID:	84839

## Application Details

Application Notes:	<p>Western blot, 0.1-0.25 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>1. Wang, Q., Chen, S., Esumi, N., Swain, P. K., Haines, H. S., Peng, G., Melia, M., McIntosh, I., Heckenlively, J. R., Jacobson, S. G., Stone, E. M., Swaroop, A., Zack, D. J. QRX, a novel homeobox gene, modulates photoreceptor gene expression. Hum. Molec. Genet. 13: 1025-1040, 2004. 2. Yang, P., Chiang, P.-W., Weleber, R. G., Pennesi, M. E. Autosomal dominant retinal dystrophy with electronegative waveform associated with a novel RAX2 mutation. JAMA Ophthalmol. 133: 653-661, 2015.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.

## Handling

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Storage: 4 °C, -20 °C

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Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.