

# Rax Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1428a

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q9Y2V3</a>
<b>Other Accession</b>	<a href="#">Q9PVX0</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Chicken
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB10426
<b>Calculated MW</b>	36676
<b>Antigen Region</b>	15-46

## Additional Information

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<b>Gene ID</b>	30062
<b>Other Names</b>	Retinal homeobox protein Rx, Retina and anterior neural fold homeobox protein, RAX, RX
<b>Target/Specificity</b>	This Rax antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-46 amino acids from the N-terminal region of human Rax.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Rax Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	RAX
<b>Synonyms</b>	RX

<b>Function</b>	Plays a critical role in eye formation by regulating the initial specification of retinal cells and/or their subsequent proliferation. Binds to the photoreceptor conserved element-I (PCE- 1/Ret 1) in the photoreceptor cell-specific arrestin promoter.
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	Expressed in the developing eye and weakly expressed in the adult retina

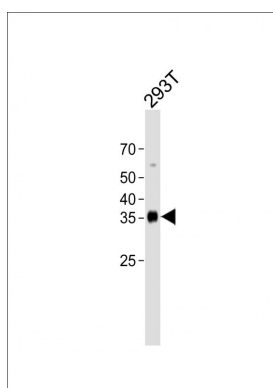
## Background

Rax plays a critical role in eye formation by regulating the initial specification of retinal cells and/or their subsequent proliferation. It binds to the photoreceptor conserved element-I (PCE-1/Ret 1) in the photoreceptor cell-specific arrestin promoter.

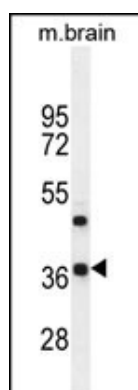
## References

Voronina,V.A., Hum. Mol. Genet. 13 (3), 315-322 (2004)  
Mikkola,I., J. Biol. Chem. 276 (6), 4109-4118 (2001)  
Mathers,P.H., Cell. Mol. Life Sci. 57 (2), 186-194 (2000)

## Images

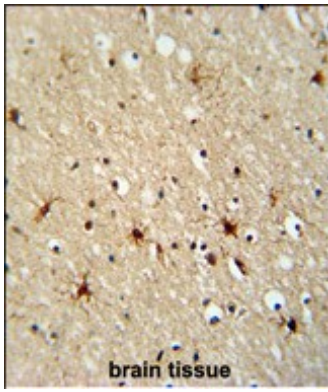


All lanes: Anti-Rax Antibody (N-term) at 1:1000 dilution + 293T whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 36 KDa Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot analysis of anti-Rax Pab (Cat.#AP1428a) in mouse brain tissue lysates (35ug/lane). Rax(arrow) was detected using the purified Pab.

Formalin-fixed and paraffin-embedded human brain tissue reacted with Rax Antibody (N-term) (Cat.#AP1428a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.