10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Rax Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1428a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y2V3
Other Accession	Q9PVX0
Reactivity	Human, Mouse
Predicted	Chicken, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB10426
Calculated MW	36676
Antigen Region	15-46

Additional Information

Gene ID	30062
Other Names	Retinal homeobox protein Rx, Retina and anterior neural fold homeobox protein, RAX, RX
Target/Specificity	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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	Rax Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RAX
Synonyms	RX

Function	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.
Cellular Location	Nucleus.
Tissue Location	Expressed in the developing eye and weakly expressed in the adult retina

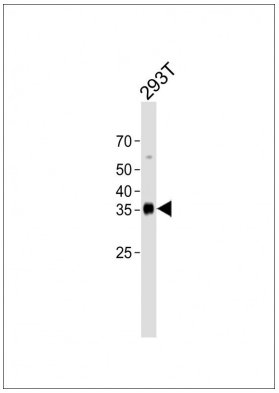
Background

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.

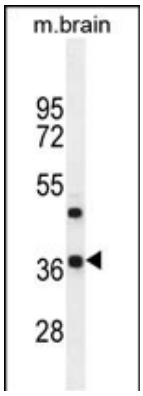
References

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

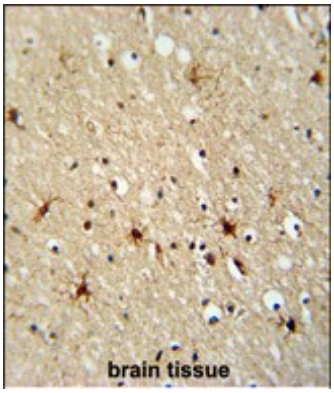


All lanes: Anti-Rax Antibody (N-term) at 1:1000 dilution + 293T whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 36 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



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'.