

RAX Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14569a

Specification

RAX Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9Y2V3](#)

RAX Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 30062

Other Names

Retinal homeobox protein Rx, Retina and anterior neural fold homeobox protein, RAX, RX

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RAX Antibody (N-term) Blocking Peptide - 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

RAX Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RAX Antibody (N-term) Blocking Peptide - Images

RAX Antibody (N-term) Blocking Peptide - Background

This gene encodes a homeobox-containing transcriptionfactor that functions in eye development. The gene is expressedearly in the eye primordia, and is required for retinal cell fatedetermination and also regulates stem cell proliferation. Mutationsin this gene have been reported in patients with defects in oculardevelopment, including microphthalmia, anophthalmia, and coloboma.

RAX Antibody (N-term) Blocking Peptide - References

Gonzalez-Rodriguez, J., et al. Br J Ophthalmol 94(8):1100-1104(2010)Chassaing, N., et al. Genet Test Mol Biomarkers 13(3):289-290(2009)Zhang, X., et al. Mol. Vis. 15, 2911-2918 (2009) :London, N.J., et al. Mol. Vis. 15, 162-167 (2009) :Voronina, V.A., et al. Hum. Mol. Genet. 13(3):315-322(2004)