

**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)