

**PO4F3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9352b****Specification**

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**PO4F3 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O15319](#)**PO4F3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 5459**Other Names**

POU domain, class 4, transcription factor 3, Brain-specific homeobox/POU domain protein 3C, Brain-3C, Brn-3C, POU4F3, BRN3C

**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.

**PO4F3 Antibody (C-term) Blocking Peptide - Protein Information****Name** POU4F3**Synonyms** BRN3C**Function**

Acts as a transcriptional activator (PubMed:&lt;a href="http://www.uniprot.org/citations/18228599" target="\_blank"&gt;18228599&lt;/a&gt;). Acts by binding to sequences related to the consensus octamer motif 5'- ATGCAAAT-3' in the regulatory regions of its target genes (PubMed:&lt;a href="http://www.uniprot.org/citations/18228599" target="\_blank"&gt;18228599&lt;/a&gt;). Involved in the auditory system development, required for terminal differentiation of hair cells in the inner ear (By similarity).

**Cellular Location**

Nucleus. Cytoplasm Note=Preferentially localized in the nucleus

**Tissue Location**

Brain. Seems to be specific to the retina.

**PO4F3 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PO4F3 Antibody (C-term) Blocking Peptide - Images****PO4F3 Antibody (C-term) Blocking Peptide - Background**

PO4F3 encodes a member of the POU-domain family of transcription factors. POU-domain proteins have been observed to play important roles in control of cell identity in several systems. This protein is found in the retina and may play a role in determining or maintaining the identities of a small subset of visual system neurons. Defects in this protein are the cause of non-syndromic sensorineural deafness autosomal dominant type 15.

**PO4F3 Antibody (C-term) Blocking Peptide - References**

de Heer,A.M. Ann. Otol. Rhinol. Laryngol. 118 (4), 313-320 (2009)van Drunen,F.J. Audiol. Neurotol. 14 (5), 303-307 (2009)Collin,R.W. Hum. Mutat. 29 (4), 545-554 (2008)