

**POU3F3 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13495c****Specification**

---

**POU3F3 Antibody (Center) Blocking peptide - Product Information**Primary Accession [P20264](#)**POU3F3 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 5455**Other Names**

POU domain, class 3, transcription factor 3, Brain-specific homeobox/POU domain protein 1, Brain-1, Brn-1, Octamer-binding protein 8, Oct-8, Octamer-binding transcription factor 8, OTF-8, POU3F3, BRN1, OTF8

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13495c was selected from the Center region of POU3F3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**POU3F3 Antibody (Center) Blocking peptide - Protein Information****Name** POU3F3 ([HGNC:9216](#))**Synonyms** BRN1, OTF8**Function**

Transcription factor that acts synergistically with SOX11 and SOX4. Plays a role in neuronal development (PubMed: <http://www.uniprot.org/citations/31303265> target="\_blank">31303265</a>). Is implicated in an enhancer activity at the embryonic met-mesencephalic junction; the enhancer element contains the octamer motif (5'-ATTTGCAT- 3') (By similarity).

**Cellular Location**

Nucleus.

**Tissue Location**

Brain..

**POU3F3 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**POU3F3 Antibody (Center) Blocking peptide - Images****POU3F3 Antibody (Center) Blocking peptide - Background**

POU3F3 is a member of the class III POU family of transcription factors (see POU3F1; MIM 602479) that are expressed in the central nervous system. The POU domain in these proteins is required for high affinity binding to octamer DNA sequences (summarized by Sumiyama et al., 1996 [PubMed 8703082]). [supplied by OMIM].

**POU3F3 Antibody (Center) Blocking peptide - References**

Wissmuller, S., et al. Nucleic Acids Res. 34(6):1735-1744(2006) Kuhlbrodt, K., et al. J. Biol. Chem. 273(26):16050-16057(1998) Sumiyama, K., et al. Mamm. Genome 9(2):180-181(1998) Malik, K.F., et al. Brain Res. Mol. Brain Res. 45(1):99-107(1997) Sumiyama, K., et al. J. Mol. Evol. 43(3):170-178(1996)