

**SIX6 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17798c****Specification**

---

**SIX6 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [O95475](#)

**SIX6 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 4990

**Other Names**

Homeobox protein SIX6, Homeodomain protein OPTX2, Optic homeobox 2, Sine oculis homeobox homolog 6, SIX6, OPTX2, SIX9

**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.

**SIX6 Antibody (Center) Blocking Peptide - Protein Information**

**Name** SIX6

**Synonyms** OPTX2, SIX9

**Function**

May be involved in eye development.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

**Tissue Location**

Expressed in the developing and adult retina. Also expressed in the hypothalamic and the pituitary regions

**SIX6 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SIX6 Antibody (Center) Blocking Peptide - Images**

### **SIX6 Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene is a homeobox protein that is similar to the *Drosophila* 'sine oculis' gene product. This gene is found in a cluster of related genes on chromosome 14 and is thought to be involved in eye development. Defects in this gene area cause of isolated microphthalmia with cataract type 2 (MCOPCT2).

### **SIX6 Antibody (Center) Blocking Peptide - References**

Zhang, X., et al. Mol. Vis. 15, 2911-2918 (2009) :Ou, Z., et al. Am. J. Med. Genet. A 146A (19), 2480-2489 (2008) :Hu, S., et al. Biochemistry 47(11):3586-3594(2008)Aijaz, S., et al. Invest. Ophthalmol. Vis. Sci. 45(11):3871-3876(2004)Gallardo, M.E., et al. Am. J. Med. Genet. A 129A (1), 92-94 (2004) :