

SIX5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12740c**Specification**

SIX5 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q8N196](#)**SIX5 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 147912**Other Names**

Homeobox protein SIX5, DM locus-associated homeodomain protein, Sine oculis homeobox homolog 5, SIX5, DMAHP

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.

SIX5 Antibody (Center) Blocking peptide - Protein Information**Name** SIX5**Synonyms** DMAHP**Function**

Transcription factor that is thought to be involved in regulation of organogenesis. May be involved in determination and maintenance of retina formation. Binds a 5'-GGTGTCAG-3' motif present in the ARE regulatory element of ATP1A1. Binds a 5'-TCA[AG][AG]TTNC-3' motif present in the MEF3 element in the myogenin promoter, and in the IGFBP5 promoter (By similarity). Thought to be regulated by association with Dach and Eya proteins, and seems to be coactivated by EYA1, EYA2 and EYA3 (By similarity).

Cellular Location

Cytoplasm. Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:12500905}

Tissue Location

Expressed in adult but not in fetal eyes. Found in corneal epithelium and endothelium, lens epithelium, ciliary body epithelia, cellular layers of the retina and the sclera

SIX5 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SIX5 Antibody (Center) Blocking peptide - Images

SIX5 Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a homeodomain-containing transcription factor that appears to function in the regulation of organogenesis. This gene is located downstream of the dystrophin myotonic protein kinase gene. Mutations in this gene are a cause of branchiootorenal syndrome type 2.

SIX5 Antibody (Center) Blocking peptide - References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010) Hoskins, B.E., et al. Am. J. Hum. Genet. 80(4):800-804(2007) Sato, S., et al. Hum. Mol. Genet. 11(9):1045-1058(2002) Fougere, F., et al. J. Muscle Res. Cell. Motil. 23(3):255-264(2002)