

SOX30 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13890c**Specification**

SOX30 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O94993](#)**SOX30 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 11063

Other Names

Transcription factor SOX-30, SOX30

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13890c was selected from the Center region of SOX30. 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.

SOX30 Antibody (Center) Blocking peptide - Protein Information

Name SOX30

Function

Acts both as a transcriptional activator and a repressor (PubMed:10359848, PubMed:29739711). Binds to the DNA sequence 5'-ACAAT- 3' and shows a preference for guanine residues surrounding this core motif (PubMed:10359848). Binds to its own promoter and activates its own transcription (By similarity). Required to activate the expression of postmeiotic genes involved in spermiogenesis (By similarity). Binds to the promoter region of CTNNB1 and represses its transcription which leads to inhibition of Wnt signaling (PubMed:29739711). Also inhibits Wnt signaling by binding to the CTNNB1 protein, preventing interaction of CTNNB1 with TCF7L2/TCF4 (PubMed:29739711).

Cellular Location

Nucleus. Cytoplasm Note=Enriched at the chromocenter. {ECO:0000250|UniProtKB:Q8CGW4}

SOX30 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SOX30 Antibody (Center) Blocking peptide - Images**SOX30 Antibody (Center) Blocking peptide - Background**

This gene encodes a member of the SOX (SRY-relatedHMG-box) family of transcription factors involved in the regulationof embryonic development and in the determination of the cell fate.The encoded protein may act as a transcriptional regulator afterforming a protein complex with other proteins. The protein may beinvolved in the differentiation of developing male germ cells. Twotranscript variants encoding distinct isoforms have been identifiedfor this gene.

SOX30 Antibody (Center) Blocking peptide - References

Fan, B.J., et al. Invest. Ophthalmol. Vis. Sci. 49(5):1886-1897(2008)Koopman, P., et al. Gene 328, 177-186 (2004) :Bullejos, M., et al. Genetica 110(2):157-162(2000)Osaki, E., et al. Nucleic Acids Res. 27(12):2503-2510(1999)