

SOX15 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12473c**Specification**

SOX15 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O60248](#)**SOX15 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 6665**Other Names**

Protein SOX-15, Protein SOX-12, Protein SOX-20, SOX15, SOX12, SOX20, SOX26, SOX27

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.

SOX15 Antibody (Center) Blocking peptide - Protein Information**Name** SOX15**Synonyms** SOX12, SOX20, SOX26, SOX27**Function**

Transcription factor that binds to DNA at the 5'-ACAATG-3' consensus sequence (By similarity). Acts as a transcriptional activator and repressor (By similarity). Binds synergistically with POU5F1 (OCT3/4) to gene promoters (By similarity). Binds to the FOXK1 promoter and recruits FHL3, resulting in transcriptional activation of FOXK1 which leads to myoblast proliferation (By similarity). Acts as an inhibitor of myoblast differentiation via transcriptional repression which leads to down-regulation of the muscle-specific genes MYOD and MYOG (By similarity). Involved in trophoblast giant cell differentiation via enhancement of HAND1 transcriptional activity (By similarity). Regulates transcription of HRC via binding to its proximal enhancer region (By similarity). Involved in skeletal muscle regeneration (By similarity). Also plays a role in the development of myogenic precursor cells (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267}.

Tissue Location

Widely expressed in fetal and adult tissues examined, highest level found in fetal spinal cord and

adult brain and testis.

SOX15 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SOX15 Antibody (Center) Blocking peptide - Images

SOX15 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. [provided byRefSeq].

SOX15 Antibody (Center) Blocking peptide - References

Sakai, N., et al. J. Endocrinol. 198(3):489-497(2008)Yan, H.T., et al. Mol. Cells 24(3):323-328(2007)Schepers, G.E., et al. Dev. Cell 3(2):167-170(2002)Wilson, M., et al. Curr. Opin. Genet. Dev. 12(4):441-446(2002)Miyashita, A., et al. Gene 237(1):53-60(1999)