

SOX7 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17335b**Specification**

SOX7 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9BT81](#)**SOX7 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 83595**Other Names**

Transcription factor SOX-7, SOX7

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.

SOX7 Antibody (C-term) Blocking Peptide - Protein Information**Name** SOX7**Function**

Binds to and activates the CDH5 promoter, hence plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium and blocks further differentiation into blood precursors (By similarity). May be required for the survival of both hematopoietic and endothelial precursors during specification (By similarity). Competes with GATA4 for binding and activation of the FGF3 promoter (By similarity). Represses Wnt/beta-catenin-stimulated transcription, probably by targeting CTNNB1 to proteasomal degradation. Binds the DNA sequence 5'-AACAAAT-3'.

Cellular Location

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

Tissue Location

Widely expressed in adult and fetal tissues. Present both in mesenchymal and epithelial cells in some adult tissues, including colon. Tends to be down-regulated in prostate adenocarcinomas and colorectal tumors due to promoter hypermethylation

SOX7 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SOX7 Antibody (C-term) Blocking Peptide - Images

SOX7 Antibody (C-term) 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 playa role in tumorigenesis. A similar protein in mice is involved inthe regulation of the wingless-type MMTV integration site family(Wnt) pathway.

SOX7 Antibody (C-term) Blocking Peptide - References

Zhang, Y., et al. Cancer Lett. 277(1):29-37(2009)Semb, H. Cell Stem Cell 3(4):355-356(2008)Guo, L., et al. Mol. Cancer Res. 6(9):1421-1430(2008)Seguin, C.A., et al. Cell Stem Cell 3(2):182-195(2008)Colland, F., et al. Genome Res. 14(7):1324-1332(2004)