

**SOX18 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16137a****Specification**

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**SOX18 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P35713](#)**SOX18 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 54345**Other Names**

Transcription factor SOX-18, SOX18

**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.

**SOX18 Antibody (N-term) Blocking Peptide - Protein Information****Name** SOX18**Function**

Transcriptional activator that binds to the consensus sequence 5'-AACAAAG-3' in the promoter of target genes and plays an essential role in embryonic cardiovascular development and lymphangiogenesis. Activates transcription of PROX1 and other genes coding for lymphatic endothelial markers. Plays an essential role in triggering the differentiation of lymph vessels, but is not required for the maintenance of differentiated lymphatic endothelial cells. Plays an important role in postnatal angiogenesis, where it is functionally redundant with SOX17. Interaction with MEF2C enhances transcriptional activation. Besides, required for normal hair development.

**Cellular Location**

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

**Tissue Location**

Detected in heart, lung, placenta, skeletal muscle, liver, kidney, spleen, prostate, ovary, msosmall intestine and colon

**SOX18 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **SOX18 Antibody (N-term) Blocking Peptide - Images**

#### **SOX18 Antibody (N-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. This protein plays arole in hair, blood vessel, and lymphatic vessel development.Mutations in this gene have been associated with recessive anddominant forms of hypotrichosis-lymphedema-telangiectasia.

#### **SOX18 Antibody (N-term) Blocking Peptide - References**

Petrovic, I., et al. Mol. Biol. Rep. 36(5):993-1000(2009)Fontijn, R.D., et al. Am. J. Physiol. Heart Circ. Physiol. 294 (2), H891-H900 (2008) :Ferrell, R.E., et al. Lymphat Res Biol 6(2):69-76(2008)Finegold, D.N., et al. Lymphat Res Biol 6(2):65-68(2008)Young, N., et al. J. Natl. Cancer Inst. 98(15):1060-1067(2006)