

**TBX6 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11956b****Specification**

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**TBX6 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [O95947](#)

**TBX6 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 6911

**Other Names**

T-box transcription factor TBX6, T-box protein 6, TBX6

**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.

**TBX6 Antibody (C-term) Blocking peptide - Protein Information**

**Name** TBX6

**Function**

T-box transcription factor that plays an essential role in the determination of the fate of axial stem cells: neural vs mesodermal. Acts in part by down-regulating, a specific enhancer (N1) of SOX2, to inhibit neural development. Seems to play also an essential role in left/right axis determination and acts through effects on Notch signaling around the node as well as through an effect on the morphology and motility of the nodal cilia (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00201}.

**Tissue Location**

Expressed in fetal tail bud, posterior spinal tissue, intervertebral disk and testis. Also expressed in adult testis, kidney, lung, muscle and thymus

**TBX6 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TBX6 Antibody (C-term) Blocking peptide - Images**

#### **TBX6 Antibody (C-term) Blocking peptide - Background**

This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. Knockout studies in mice indicate that this gene is important for specification of paraxial mesoderm structures.

#### **TBX6 Antibody (C-term) Blocking peptide - References**

Fei, Q., et al. Spine 35(9):983-988(2010) Ghebranious, N., et al. J. Bone Miner. Res. 23(10):1576-1583(2008) Farin, H.F., et al. J. Biol. Chem. 282(35):25748-25759(2007) Papapetrou, C., et al. Genomics 55(2):238-241(1999) Yi, C.H., et al. Genomics 55(1):10-20(1999)