

TBX6 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12063c**Specification**

TBX6 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O95947](#)**TBX6 Antibody (Center) 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 (Center) 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 (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TBX6 Antibody (Center) Blocking peptide - Images

TBX6 Antibody (Center) 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 (Center) 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)