

**TBX6 Antibody (Center W158) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11675c****Specification**

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**TBX6 Antibody (Center W158) Blocking peptide - Product Information**

Primary Accession [O95947](#)

**TBX6 Antibody (Center W158) 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 W158) 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 W158) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **TBX6 Antibody (Center W158) Blocking peptide - Images**

### **TBX6 Antibody (Center W158) Blocking peptide - Background**

This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. Gene expression is high during fetal development and in most tumors yet low in adult tissues. Antisense transcripts are involved in the regulation of this gene's expression. At least four transcript variants encoding distinct isoforms have been found for this gene, but the full-length nature of only three of them have been determined.

### **TBX6 Antibody (Center W158) Blocking peptide - References**

Nabils, N.H., et al. J. Endocrinol. 207(2):237-243(2010) Valenzuela, M., et al. J. Infect. Dis. 202(7):1021-1030(2010) Yoon, S., et al. FEBS Lett. 584(18):4048-4052(2010) Ezponda, T., et al. Clin. Cancer Res. 16(16):4113-4125(2010) Sawai, K., et al. Oncol. Res. 18 (11-12), 541-547 (2010) :