

**AP06721PU-N****Polyclonal Antibody to TBX2 - Aff - Purified****Alternate names:**

T-box protein 2

**Quantity:**

0.1 mg

**Concentration:**

1.0 mg/ml

**Background:**

The T-box (TBX) motif is present in a family of genes whose structural features and expression patterns support their involvement in developmental gene regulation. The TBX gene family are largely conserved throughout metazoan evolution, and these genes code for putative transcription factors that share a uniquely defining DNA-binding domain. TBX genes are a family of developmental regulators with more than 20 members recently identified in invertebrates and vertebrates. Mutations in TBX genes are associated with the onset of several human diseases. Our understanding of functional mechanisms of TBX products has come mainly from the prototypical T/Brachyury, which is a transcription activator. The TBX genes constitute a family of transcriptional regulatory genes that are implicated in a variety of developmental processes ranging from the formation of germ layers to the organizational patterning of the central nervous system.

**Uniprot ID:**[Q13207](#)**NCBI:**[NP\\_005985.3](#)**GeneID:**[6909](#)**Host:**

Rabbit

**Immunogen:**

Synthetic peptide, corresponding to amino acids 250-300 of Human TBX2.

**Format:****State:** Liquid purified Ig fraction**Purification:** Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)**Buffer System:** Phosphate buffered saline (PBS), pH 7.2.**Preservatives:** 0.05% sodium azide**Applications:****Western blot:** 1/500-1/1000.**Immunohistochemistry on paraffin sections:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Molecular Weight:**

~ 74 kDa

**Specificity:**This antibody detects endogenous levels of TBX2 protein.  
(region surrounding asn280)**Species Reactivity:****Tested:** Human.**Expected from sequence similarity:** Mouse and Rat.**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**Pictures:**

**Western blot (WB)** analysis of TBX2 antibody (Cat.-No.: AP06721PU-N) in extracts from HeLa cells.

