

**Anti-TBX2/3 Antibody**  
**Catalog # AP53941****Specification**

---

**Anti-TBX2/3 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O15119</a>
Other Accession	<a href="#">Q13207</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>79389</b>

**Anti-TBX2/3 Antibody - Additional Information****Gene ID** 6926**Other Names**

TBX3; T-box transcription factor TBX3; T-box protein 3; TBX2; T-box transcription factor TBX2; T-box protein 2

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TBX2/3. The exact sequence is proprietary.

**Dilution**

WB~~1/500 - 1/2000

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-TBX2/3 Antibody - Protein Information****Name** TBX3**Function**

Transcriptional repressor involved in developmental processes (PubMed:<a href="http://www.uniprot.org/citations/10468588" target="\_blank">10468588</a>). Binds to the palindromic T site 5'- TTCACACCTAGGTGTGAA-3' DNA sequence, or a half-site, which are present in the regulatory region of several genes (PubMed:<a href="http://www.uniprot.org/citations/12000749" target="\_blank">12000749</a>). Probably plays a role in limb pattern formation (PubMed:<a href="http://www.uniprot.org/citations/10468588" target="\_blank">10468588</a>). Required for mammary placode induction, and maintenance of the mammary buds during development (By

similarity). Involved in branching morphogenesis in both developing lungs and adult mammary glands, via negative modulation of target genes; acting redundantly with TBX2 (By similarity). Required, together with TBX2, to maintain cell proliferation in the embryonic lung mesenchyme; perhaps acting downstream of SHH, BMP and TGFbeta signaling (By similarity). Involved in modulating early inner ear development, acting independently of, and also redundantly with, TBX2 in different subregions of the developing ear (By similarity). Acts as a negative regulator of PML function in cellular senescence (PubMed:<a href="http://www.uniprot.org/citations/22002537" target="\_blank">22002537</a>).

**Cellular Location**

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

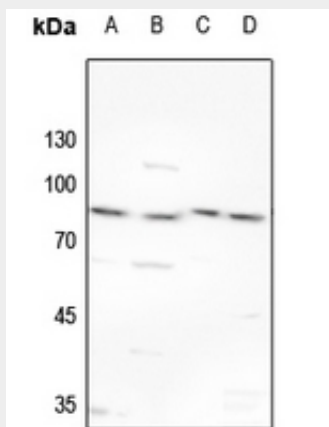
**Tissue Location**

Widely expressed.

**Anti-TBX2/3 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-TBX2/3 Antibody - Images**

Western blot analysis of TBX2/3 expression in HEK293T (A), Hela (B), H446 (C), rat kidney (D) whole cell lysates.

**Anti-TBX2/3 Antibody - Background**

Rabbit polyclonal antibody to TBX2/3