

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

Application	WB
Primary Accession	O15119
Other Accession	Q13207
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79389

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

Recognizes endogenous levels of TBX2/3 protein.

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:[10468588](http://www.uniprot.org/citations/10468588)). 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:[12000749](http://www.uniprot.org/citations/12000749)). Probably plays a role in limb pattern formation (PubMed:[10468588](http://www.uniprot.org/citations/10468588)). 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:22002537).

Cellular Location

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

Tissue Location

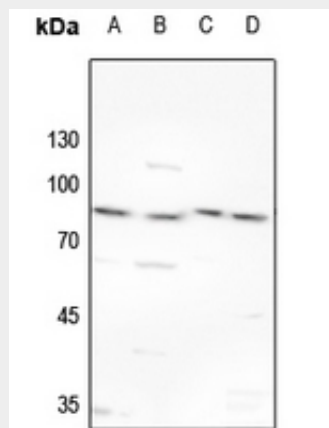
Widely expressed.

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