

TBX4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19015a**Specification**

TBX4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P57082
Other Accession	Q9W7C2 , Q5I2P1 , P70326 , Q99593 , Q9PWE8 , P70325 , NP_060958.2
Reactivity	Human, Mouse
Predicted	Chicken, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	60204
Antigen Region	103-129

TBX4 Antibody (N-term) - Additional Information**Gene ID** 9496**Other Names**

T-box transcription factor TBX4, T-box protein 4, TBX4

Target/Specificity

This TBX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-129 amino acids from the N-terminal region of human TBX4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TBX4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TBX4 Antibody (N-term) - Protein Information**Name** TBX4

Function Transcriptional regulator that has an essential role in the organogenesis of lungs, pelvis, and hindlimbs.

Cellular Location

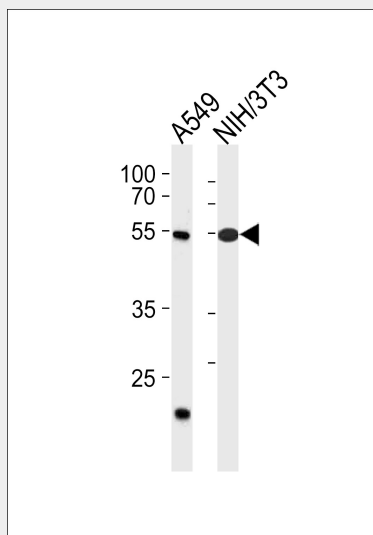
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00201}.

TBX4 Antibody (N-term) - 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](#)

TBX4 Antibody (N-term) - Images



TBX4 Antibody (N-term) (Cat. #AP19015a) western blot analysis in A549, mouse NIH/3T3 cell line lysates (35ug/lane). This demonstrates the TBX4 antibody detected the TBX4 protein (arrow).

TBX4 Antibody (N-term) - 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. This gene is the human homolog of mouse Tbx4, which is closely linked to Tbx2 on mouse chromosome 11. Similarly this gene, like TBX2, maps to human chromosome 17. Expression studies in mouse and chicken show that Tbx4 is expressed in developing hindlimb, but not in forelimb buds, suggesting a role for this gene in regulating limb development and specification of limb identity.

TBX4 Antibody (N-term) - References

Kim, J.J., et al. J. Hum. Genet. 55(1):27-31(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Zhao, J., et al. BMC Med. Genet. 11, 96 (2010) :
Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008)