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TBX4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19015a

Product Information

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

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 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

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}.

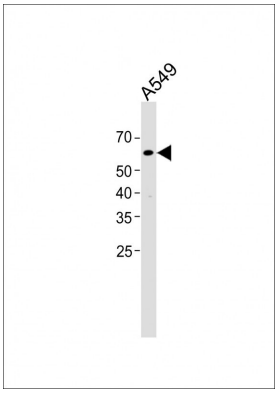
Background

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.

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)

Images



All lanes: Anti-TBX4 Antibody (N-term) at 1:2000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 60 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.