

Rabbit TBX4 Polyclonal Antibody | anti-TBX4 antibody

TBX4 Antibody (N-term)

CATALOG # AAA284146	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Chicken, Rat, Xenopus)	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

TBX4; Polyclonal Antibody; TBX4 Antibody (N-term); T-box transcription factor TBX4; T-box protein 4; anti-TBX4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Chicken, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	103-129
Sequence Length	545
Applicable Applications for anti-TBX4 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Function	Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation.
Cellular Location	Nucleus {ECO:0000255 PROSITEProRule:PRU00201}
Preparation and 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.

IMAGES



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-TBX4 antibody	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.
Product Categories/Family for anti-TBX4 antibody	Crown Antibodies
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18129690
NCBI GeneID	9496
NCBI Accession #	NP_060958.2
NCBI GenBank Nucleotide #	NM_018488.2
UniProt Accession #	P57082; A5PKU7; B2RMT1; B7ZLV3
Molecular Weight	60204
NCBI Official Full Name	T-box transcription factor TBX4
NCBI Official Synonym Full Names	T-box 4
NCBI Official Symbol	TBX4
NCBI Official Synonym Symbols	SPS
NCBI Protein Information	T-box transcription factor TBX4
UniProt Protein Name	T-box transcription factor TBX4
UniProt Gene Name	TBX4
UniProt Synonym Gene Names	T-box protein 4
UniProt Entry Name	TBX4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.