

Rabbit TBX6 Polyclonal Antibody | anti-TBX6 antibody

TBX6 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285959	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

TBX6; Polyclonal Antibody; TBX6 Antibody (Center); T-box transcription factor TBX6; T-box protein 6; anti-TBX6 antibody

PRODUCT SPECIFICATIONS

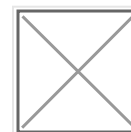
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TBX6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 264-293 amino acids from the Central region of human TBX6.
Purity/Purification	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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	264-293
Sequence Length	436
Applicable Applications for anti-TBX6 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Fluorescent confocal image of Hela cell stained with TBX6 Antibody (Center). Hela cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with TBX6 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). TBX6 immunoreactivity is localized to nucleus significantly.



WB (Western Blot)

TBX6 Antibody (Center) western blot analysis in ZR-75-1 cell line and mouse spleen tissue lysates (35ug/lane). This demonstrates the TBX6 antibody detected the TBX6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TBX6 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. Knockout studies in mice indicate that this gene is important for specification of paraxial mesoderm structures.
Product Categories/Family for anti-TBX6 antibody	Developmental Biology; Signal Transduction
References	Fei, Q., et al. Spine 35(9):983-988(2010) Ghebranious, N., et al. J. Bone Miner. Res. 23(10):1576-1583(2008) Farin, H.F., et al. J. Biol. Chem. 282(35):25748-25759(2007) Papapetrou, C., et al. Genomics 55(2):238-241(1999) Yi, C.H., et al. Genomics 55(1):10-20(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18201900
NCBI GeneID	6911
NCBI Accession #	NP_004599.2
NCBI GenBank Nucleotide #	NM_004608.3
UniProt Accession #	O95947; Q8TAS4; Q9HA44
Molecular Weight	47045
NCBI Official Full Name	T-box transcription factor TBX6
NCBI Official Synonym Full Names	T-box 6
NCBI Official Symbol	TBX6
NCBI Official Synonym Symbols	SCDO5
NCBI Protein Information	T-box transcription factor TBX6
UniProt Protein Name	T-box transcription factor TBX6
UniProt Gene Name	TBX6
UniProt Synonym Gene Names	T-box protein 6
UniProt Entry Name	TBX6_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tbx6-antibody-immunofluorescence-western-blot-elisa/285959>