

Rabbit TBX1 Polyclonal Antibody | anti-TBX1 antibody

TBX1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197586	Rabbit	Human;Predicted Species Reactivity:Human, Mouse, Rat, Dog, Guinea Pig, Rabbit	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

TBX1; Polyclonal Antibody; TBX1 antibody - C-terminal region; anti-TBX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human;Predicted Species Reactivity:Human, Mouse, Rat, Dog, Guinea Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range : 100uL at 0.5 - 1 mg/mL (varies by lot)
Sequence	Synthetic peptide with the following sequence: PN PELRLEAPGA SEPLHHHPYK YPAAAYDHYL GAKSRPAPYP LPGLRGHG
Sequence Length	495
Applicable Applications for anti-TBX1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human TBX1
Protein Size	495 amino acids
Protein Interactions	TERF2; TERF1
Replacement Item	This antibody may replace item sc-17874 from Santa Cruz Biotechnology.
Preparation and Storage	For short term use, store at 2°C to 8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-TBX1 Antibody Titration: 5.0ug/ml Positive Control: Jurkat cell lysate



IHC (Immunohistochemistry)

Human kidney

ADDITIONAL INFORMATION

Related Product Information for anti-TBX1 antibody	This is a rabbit polyclonal antibody against TBX1. It was validated on Western Blot and immunohistochemistry Target Description: TBX1 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. TBX1 product shares 98% amino acid sequence identity with the mouse ortholog. DiGeorge syndrome (DGS)/velocardiofacial syndrome (VCFS), a common congenital disorder characterized by neural-crest-related developmental defects, has been associated with deletions of chromosome 22q11.2, where TBX1 has been mapped. Studies using mouse models of DiGeorge syndrome suggest a major role for this gene in the molecular etiology of DGS/VCFS. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Product Categories/Family for anti-TBX1 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Cardiovascular; Developmental Biology; Disease Related; DNA/RNA/Protein Interactions; Immunohistochemistry; Phosphorylation; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	18104952
NCBI GeneID	6899
NCBI Accession #	NP_542378
NCBI GenBank Nucleotide #	NM_080647
UniProt Accession #	O43435
Molecular Weight	53kDa
NCBI Official Full Name	T-box transcription factor TBX1 isoform C
NCBI Official Synonym Full Names	T-box 1
NCBI Official Symbol	TBX1
NCBI Official Synonym Symbols	DGS; TGA; VCF; CAFS; CTHM; DGCR; DORV; VCFS; TBX1C; CATCH22
NCBI Protein Information	T-box transcription factor TBX1
UniProt Protein Name	T-box transcription factor TBX1
UniProt Gene Name	TBX1
UniProt Synonym Gene Names	T-box protein 1
UniProt Entry Name	TBX1_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/tbx1-antibody-western-blot-immunohistochemistry-elisa/197586>