

Datasheet for ABIN653331  
**anti-T-Box 1 antibody (C-Term)**

5 Images



[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	T-Box 1 (TBX1)
Binding Specificity:	AA 327-356, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This T-Box 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This TBX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 327-356 amino acids from the C-terminal region of human TBX1.
Clone:	RB22154
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	T-Box 1 (TBX1)
Alternative Name:	TBX1 ( <a href="#">TBX1 Products</a> )

## Target Details

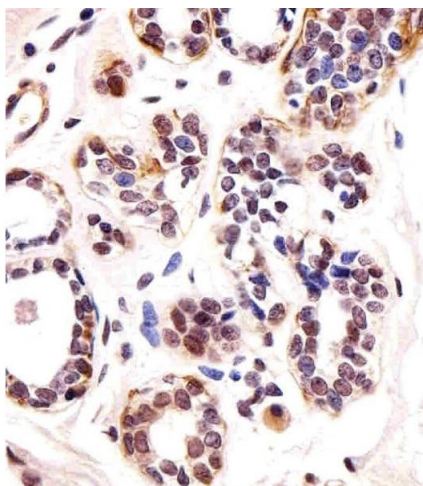
Background:	TBX1 is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene product shares 98 % amino acid sequence identity with the mouse ortholog. 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 this gene 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.
Molecular Weight:	43133
Gene ID:	6899
NCBI Accession:	<a href="#">NP_005983</a> , <a href="#">NP_542377</a> , <a href="#">NP_542378</a>
UniProt:	<a href="#">O43435</a>
Pathways:	<a href="#">Retinoic Acid Receptor Signaling Pathway</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Muscle Cell Differentiation</a>

## Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:25
Restrictions:	For Research Use only

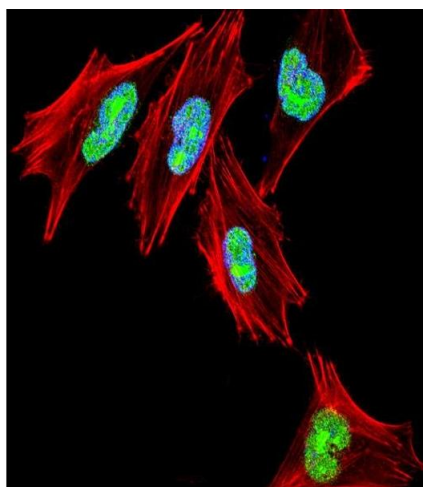
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



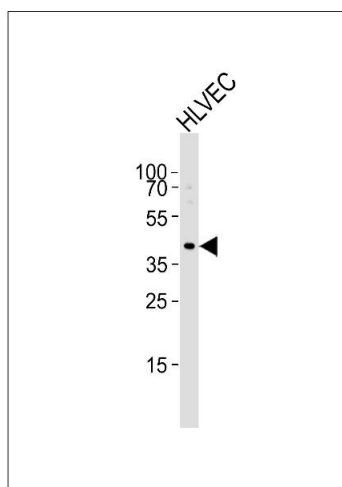
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical analysis of paraffin-embedded H. breast section using TBX1 Antibody (C-term) (ABIN653331 and ABIN2842819). (ABIN653331 and ABIN2842819) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



#### Immunofluorescence

**Image 2.** Fluorescent confocal image of cell stained with TBX1 Antibody (C-term) (ABIN653331 and ABIN2842819). cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with TBX1 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). TBX1 immunoreactivity is localized to nucleus significantly.



#### Western Blotting

**Image 3.** Western blot analysis of lysate from HLVEC cell line, using TBX1 Antibody (C-term) (ABIN653331 and ABIN2842819). (ABIN653331 and ABIN2842819) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN653331.