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anti-T-Box 1 antibody (C-Term)



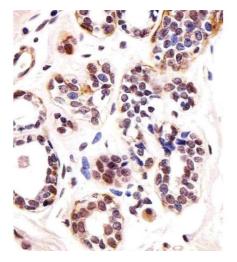
Images

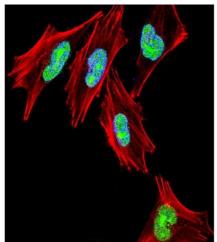


Overview	
Quantity:	400 μL
Target:	T-Box 1 (TBX1)
Binding Specificity:	AA 327-356, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This T-Box 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections)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

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 molecula etiology of DGS/VCFS. Several alternatively spliced transcript variants encoding different
	Molecular Weight:
Gene ID:	6899
NCBI Accession:	NP_005983, NP_542377, NP_542378
UniProt:	043435
Pathways:	Retinoic Acid Receptor Signaling Pathway, Sensory Perception of Sound, Cellular Response to
	Molecule of Bacterial Origin, Regulation of Muscle Cell Differentiation
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 smal
	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months





100 -70 -55 -35 -25 -

Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffinembedded 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 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 DI (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 $35 \, \mu g$.

Please check the product details page for more images. Overall 5 images are available for ABIN653331.