

Datasheet for ABIN656001

anti-T-Box 6 antibody (AA 264-293)**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	T-Box 6 (TBX6)
Binding Specificity:	AA 264-293
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This T-Box 6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	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.
Clone:	RB14142
Isotype:	Ig Fraction
Predicted Reactivity:	B, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	T-Box 6 (TBX6)
Alternative Name:	TBX6 (TBX6 Products)

Target Details

Background:	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.
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Molecular Weight:	47045
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Gene ID:	6911
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NCBI Accession:	NP_004599
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UniProt:	O95947
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Application Details

Application Notes:	IF: 1:10~50. WB: 1:500
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Restrictions:	For Research Use only
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Handling

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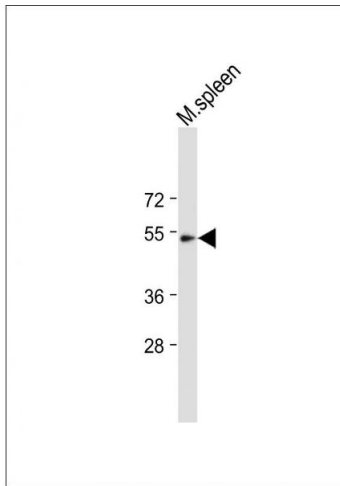
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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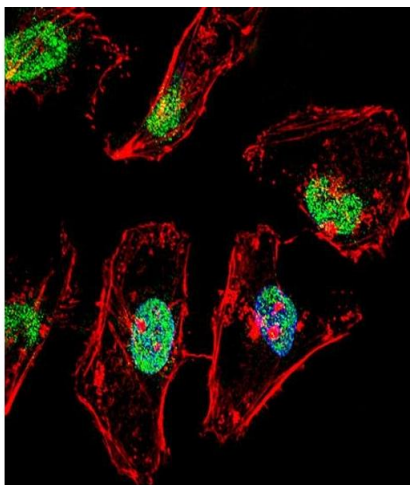
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
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Expiry Date:	6 months
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Western Blotting

Image 1. Anti-TBX6 Antibody (Center) at 1:500 dilution + Mouse spleen tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 47 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Immunofluorescence

Image 2. Fluorescent confocal image of HeLa cell stained with TBX6 Antibody (Center) (ABIN656001 and ABIN2845380). 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 °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). TBX6 immunoreactivity is localized to nucleus significantly.