

Datasheet for ABIN2777924
anti-TBX3 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	TBX3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog, Guinea Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBX3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TBX3
Sequence:	VGTSNLKDLC PSEGSDAEA ESKEEHGPEA CDAAKISTTT SEEPCRDKGS
Predicted Reactivity:	Cow: 92%, Dog: 92%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 92%, Pig: 100%, Rabbit: 100%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against TBX3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TBX3
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Target Details

Alternative Name: TBX3 ([TBX3 Products](#))

Background: TBX3 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 protein is a transcriptional repressor and is thought to play a role in the anterior/posterior axis of the tetrapod forelimb. Mutations in this gene cause ulnar-mammary syndrome, affecting limb, apocrine gland, tooth, hair, and genital development. Alternative splicing of this gene results in three transcript variants encoding different isoforms, however, the full length nature of one variant has not been determined. 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. This protein is a transcriptional repressor and is thought to play a role in the anterior/posterior axis of the tetrapod forelimb. Mutations in this gene cause ulnar-mammary syndrome, affecting limb, apocrine gland, tooth, hair, and genital development. Alternative splicing of this gene results in three transcript variants encoding different isoforms, however, the full length nature of one variant has not been determined.

Alias Symbols: TBX3-ISO, UMS, XHL

Protein Interaction Partner: CA8, AES, SOX2, Dlg4, ELAVL1, HDAC5, HDAC3, HDAC2, HDAC1, TOLLIP, TBX3,

Protein Size: 743

Molecular Weight: 79 kDa

Gene ID: 6926

NCBI Accession: [NM_016569](#), [NP_057653](#)

UniProt: [O15119](#)

Pathways: [Hormone Transport](#), [Stem Cell Maintenance](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

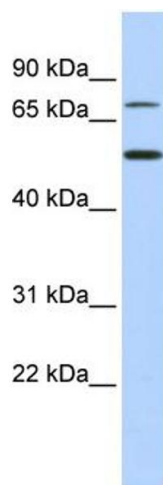
Comment: Antigen size: 743 AA

Restrictions: For Research Use only

Handling

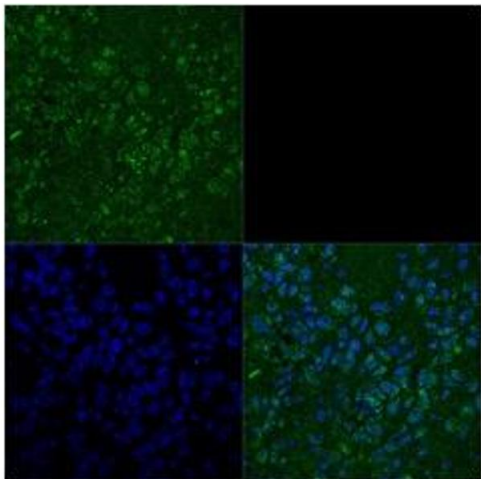
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-TBX3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:2500 Positive Control: 721_B cell lysate



Immunohistochemistry

Image 2. Primary metastatic Melenoma