

Datasheet for ABIN2777915  
**anti-T-Box 5 antibody (N-Term)**[Go to Product page](#)

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## Overview

Quantity:	100 µL
Target:	T-Box 5 (TBX5)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Guinea Pig, Horse, Zebrafish (Danio rerio), Goat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This T-Box 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TBX5
Sequence:	NSMHKYQRL HIVKADENNG FGSKNFACF HVFPETAFIA VTSYQNHKIT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against TBX5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	T-Box 5 (TBX5)
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## Target Details

Alternative Name:	TBX5 ( <a href="#">TBX5 Products</a> )
Background:	<p>TBX5 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. TBX5 is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The encoded protein may play a role in heart development and specification of limb identity. Mutations in TBX5 have been associated with Holt-Oram syndrome, a developmental disorder affecting the heart and upper limbs. Several transcript variants encoding different isoforms have been described for TBX5.</p> <p>Alias Symbols: HOS</p> <p>Protein Interaction Partner: KDM6A, SMARCA4, KAT5, GATA4, NKX2-5,</p> <p>Protein Size: 518</p>
Molecular Weight:	58 kDa
Gene ID:	6910
NCBI Accession:	<a href="#">NM_000192</a> , <a href="#">NP_000183</a>
UniProt:	<a href="#">Q99593</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 518 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.

## Handling

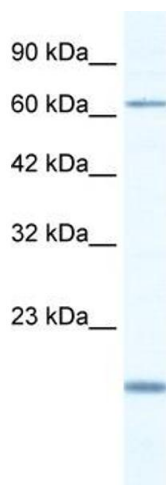
Storage: -20 °C

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.

## Publications

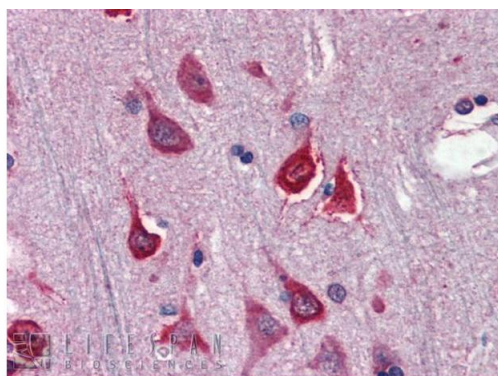
Product cited in: Sun, Zhou, Yin, Ding, Zhong: "Silencing of ZNF217 gene influences the biological behavior of a human ovarian cancer cell line." in: **International journal of oncology**, Vol. 32, Issue 5, pp. 1065-71, (2008) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-TBX5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate



Rabbit Anti-TBX5 Antibody  
Catalog Number: ARP33403  
Lot Number: QC2879  
Paraffin Embedded Tissue: Human Brain, cortex  
Antibody Concentration: 5.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.

### Immunohistochemistry

**Image 2.** Immunohistochemistry with Human Brain, cortex tissue at an antibody concentration of 5.0ug/ml using anti-TBX5 antibody