

Datasheet for ABIN969432

**anti-T-Box 5 antibody**[Go to Product page](#)

1 Image

1 Publication

## Overview

Quantity:	100 µL
Target:	T-Box 5 (TBX5)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This T-Box 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Purified recombinant fragment of TBX5 expressed in E. coli.
Clone:	7B11
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	T-Box 5 (TBX5)
Alternative Name:	TBX5 ( <a href="#">TBX5 Products</a> )
Background:	Description: TBX5, also known as T-box 5. It 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. It is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The

## Target Details

TBX5 protein may play a role in heart development and specification of limb identity. Mutations in this gene 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 this gene.

Aliases: HOS, TBX5

Molecular Weight: 53 kDa

Gene ID: 6910

HGNC: 6910

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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: 4°C, -20°C for long term storage

## Publications

Product cited in: Gertych, Oh, Wawrowsky, Weisenberger, Tajbakhsh: "3-D DNA methylation phenotypes correlate with cytotoxicity levels in prostate and liver cancer cell models." in: **BMC pharmacology & toxicology**, Vol. 14, pp. 11, (2013) ([PubMed](#)).

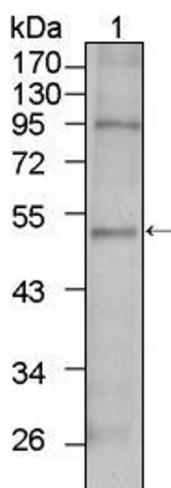
Tajbakhsh: "Covisualization of methylcytosine, global DNA, and protein biomarkers for In Situ 3D DNA methylation phenotyping of stem cells." in: **Methods in molecular biology (Clifton, N.J.)**, Vol. 1052, pp. 77-88, (2013) ([PubMed](#)).

Fukuda, Ichiyanagi, Yamada, Go, Udonon, Wada, Maeda, Soejima, Saitou, Ito, Sasaki: "Regional DNA methylation differences between humans and chimpanzees are associated with genetic changes, transcriptional divergence and disease genes." in: **Journal of human genetics**, Vol. 58, Issue 7, pp. 446-54, (2013) ([PubMed](#)).

Kurita, Arai, Nakamoto, Kato, Niwa: "Determination of DNA methylation using electrochemiluminescence with surface accumulable coreactant." in: **Analytical chemistry**, Vol. 84, Issue 4, pp. 1799-803, (2012) ([PubMed](#)).

Kurita, Niwa: "DNA methylation analysis triggered by bulge specific immuno-recognition." in: **Analytical chemistry**, Vol. 84, Issue 17, pp. 7533-8, (2012) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blot analysis using TBX5 mouse mAb against HepG2 cell lysate (1).