

# TBX5 Antibody

Lot Number: QA212936

Product Data Sheet

## Tested Species Reactivity

Human (Hu)  
Mouse (Ms)

## Details

<b>Catalog Number:</b>	42-6500
<b>Size:</b>	100 µg
<b>Class:</b>	Polyclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	Synthetic peptide derived from an internal region of the human, predicted dog, and predicted chimpanzee Tbx5 proteins, which differ from mouse and rat by one conservative amino acid change

## Tested Applications

## Dilution \*

Western Blot (WB)	Assay Dependent
Immunoprecipitation (IP)	Assay Dependent

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

## Form Information

<b>Form:</b>	Liquid
<b>Concentration:</b>	0.25mg/ml
<b>Purification:</b>	Antigen affinity chromatography
<b>Storage Buffer:</b>	PBS, pH 7.4
<b>Preservative:</b>	0.1% sodium azide
<b>Storage Conditions:</b>	-20°C

## Product Specific Information

*For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.*

## General Information

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 gene 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 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.

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