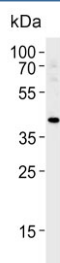


## TBX1 Antibody / T-box protein 1 (F54472)

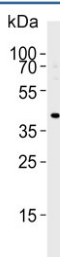
Catalog No.	Formulation	Size
F54472-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54472-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

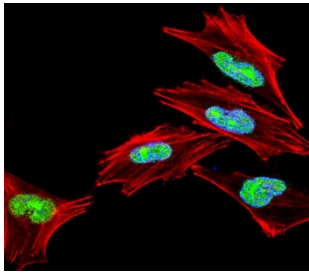
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	O43435
<b>Localization</b>	Nuclear
<b>Applications</b>	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000 Immunofluorescence : 1:25
<b>Limitations</b>	This TBX1 antibody is available for research use only.



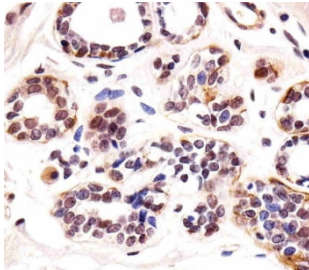
Western blot testing of human HUVEC with TBX1 antibody. Predicted molecular weight ~43 kD.



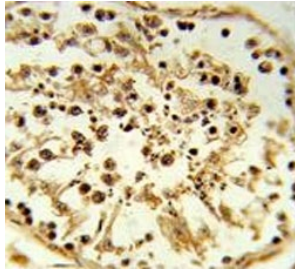
Western blot testing of human HLVEC with TBX1 antibody. Predicted molecular weight ~43 kD.



Immunofluorescent staining of fixed and permeabilized human A2058 cells with TBX1 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



IHC testing of FFPE human breast tissue with TBX1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human testis tissue with TBX1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

## Description

TBX1 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 product shares 98% amino acid sequence identity with the mouse ortholog. DiGeorge syndrome (DGS)/velocardiofacial syndrome (VCFS), a common congenital disorder characterized by neural-crest-related developmental defects, has been associated with deletions of chromosome 22q11.2, where this gene has been mapped. Studies using mouse models of DiGeorge syndrome suggest a major role for this gene in the molecular etiology of DGS/VCFS. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the TBX1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 327-356 from the human protein was used as the immunogen for the TBX1 antibody.

## Storage

Aliquot the TBX1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

