

# TBX1 Polyclonal Antibody

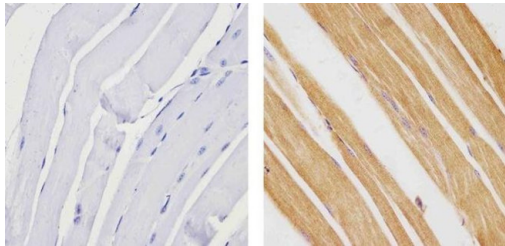
Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the internal region of the mouse T-box 1 (Tbx1) protein.
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533191

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	1 Publication
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20	1 Publication
Immunoprecipitation (IP)	Assay-dependent	1 Publication
ChIP assay (ChIP)	-	1 Publication

Product Images For TBX1 Polyclonal Antibody

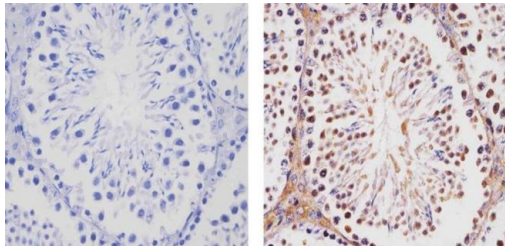
**TBX1 Antibody (34-9800) in IHC (P)**

Immunohistochemistry analysis of T-BOX 1 showing staining in the cytoplasm and weak staining in the nucleus of paraffin-embedded mouse skeletal muscle tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a T-BOX 1 Rabbit Polyclonal Antibody (Product # 34-9800) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



**TBX1 Antibody (34-9800) in IHC (P)**

Immunohistochemistry analysis of T-BOX 1 showing staining in the nucleus and weak staining in the cytoplasm of paraffin-embedded mouse testis tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a T-BOX 1 Rabbit Polyclonal Antibody (Product # 34-9800) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



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## Western Blot (1)

<p><b>Circulation research</b></p> <p><b>Tbx1 regulates proliferation and differentiation of multipotent heart progenitors.</b></p> <p>"Published figure using TBX1 polyclonal antibody (Product # 34-9800) in Western Blot"</p> <p>Authors: Chen L,Fulcoli FG,Tang S,Baldini A</p>	<p><b>Year</b> 2009</p>
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## Immunohistochemistry (4)

<p><b>Developmental biology</b></p> <p><b>TBX1 is required for normal stria vascularis and semicircular canal development.</b></p> <p>"34-9800 was used in Immunohistochemistry to reveal previously unknown functions of TBX1 during later stages of inner ear development."</p> <p>Authors: Tian C,Johnson KR</p>	<p><b>Year</b> 2020</p> <p><b>Species</b> Mouse</p> <p><b>Dilution</b> 1:500</p>
<p><b>Human molecular genetics</b></p> <p><b>Tbx1 regulates oral epithelial adhesion and palatal development.</b></p> <p>Authors: Funato N,Nakamura M,Richardson JA,Srivastava D,Yanagisawa H</p>	<p><b>Year</b> 2012</p> <p><b>Species</b> Mouse</p> <p><b>Dilution</b> 1:100</p>

[View more IHC references on thermofisher.com](#)

## Immunohistochemistry (Paraffin) (1)

<p><b>Human molecular genetics</b></p> <p><b>Loss of Tbx1 induces bone phenotypes similar to cleidocranial dysplasia.</b></p> <p>"34-9800 was used in Immunohistochemistry on paraffin embedded tissues-immunofluorescence to study the role of Tbx1 in the mouse."</p> <p>Authors: Funato N,Nakamura M,Richardson JA,Srivastava D,Yanagisawa H</p>	<p><b>Year</b> 2015</p> <p><b>Species</b> Mouse</p> <p><b>Dilution</b> 1:100</p>
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## More applications with references on thermofisher.com

- IP (1)
- ChIP (1)

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