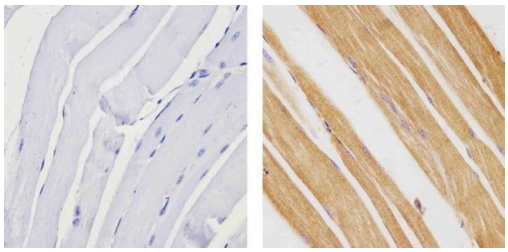
TBX1 Polyclonal Antibody

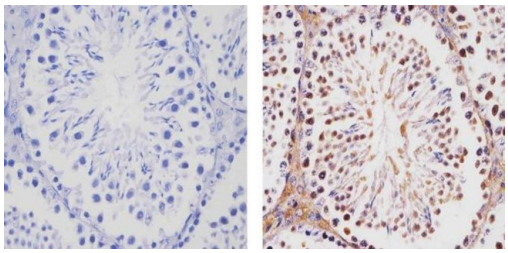
Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the internal region of the mouse T-box 1 (Tbx1) protein.
Form	Liquid
Concentration	0.25 mg/mL
Purification	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 37ºC 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 37ºC 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.

View more figures on thermofisher.com

8 References

Western Blot (1)

Circulation research

Tbx1 regulates proliferation and differentiation of multipotent heart progenitors.

"Published figure using TBX1 polyclonal antibody (Product # 34-9800) in Western Blot"

Authors: Chen L,Fulcoli FG,Tang S,Baldini A

Year
2009

Immunohistochemistry (4)

Developmental biology

TBX1 is required for normal stria vascularis and semicircular canal development.

"34-9800 was used in Immunohistochemistry to reveal previously unknown functions of TBX1 during later stages of inner ear development."

Authors: Tian C,Johnson KR

Year
2020

Species
Mouse

Dilution
1:500

Human molecular genetics

Tbx1 regulates oral epithelial adhesion and palatal development.

Authors: Funato N,Nakamura M,Richardson JA,Srivastava D,Yanagisawa H

Year
2012

Species
Mouse

Dilution
1:100

View more IHC references on thermofisher.com

Immunohistochemistry (Paraffin) (1)

Human molecular genetics

Loss of Tbx1 induces bone phenotypes similar to cleidocranial dysplasia.

"34-9800 was used in Immunohistochemistry on paraffin embedded tissues-immunofluorescence to study the role of Tbx1 in the mouse."

Authors: Funato N,Nakamura M,Richardson JA,Srivastava D,Yanagisawa H

Year
2015

Species
Mouse

Dilution
1:100

More applications with references on thermofisher.com

IP (1) **ChIP (1)**