

TBX3 Polyclonal Antibody

Product Details

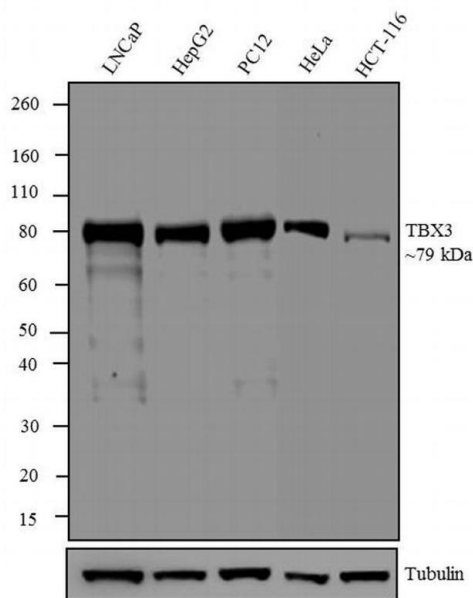
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from an internal region of human T-box 3, which differs from mouse and rat by one conservative and one non-conservative amino acid
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_2533526

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	12 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:1,000	1 Publication
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	1:1,000	-
Immunoprecipitation (IP)	Assay-dependent	-
ChIP assay (ChIP)	-	2 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

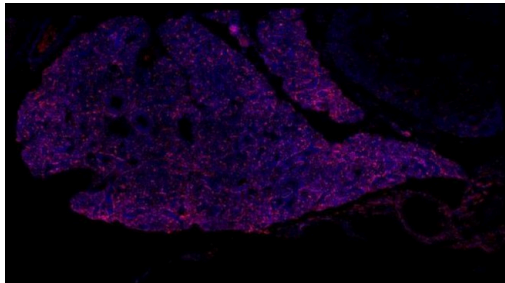
42-4800 has been successfully used in immunohistochemistry analysis of Tbx3 in mouse E16.5 frozen lung sections.

Product Images For TBX3 Polyclonal Antibody



TBX3 Antibody (42-4800) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of LNCaP (Lane 1), HepG2 (Lane 2), PC12 (Lane 3), HeLa (Lane 4) and HCT-116 (Lane 5). The blots were probed with Anti-TBX3 Rabbit Polyclonal Antibody (Product # 42-4800, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A ~ 79 kDa band corresponding to TBX3 was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



TBX3 Antibody (42-4800) in IHC (P)

Immunohistochemistry analysis of TBX3 in mouse E16.5 lung sections. Antigen retrieval from 4% PFA, paraffin embedded sections was performed using EDTA. Following antigen retrieval, tissues were blocked and probed with a TBX3 polyclonal antibody (Product # 42-4800) at a dilution of 1:1000. Detection was performed using an Alexa Fluor-568-conjugated anti-rabbit secondary antibody (Product # A-11036). Data courtesy of Dr. James Bridges at Cincinnati Children's Hospital Medical Center.

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Western Blot (12)

Physiological reports	Year 2023
Inhibition of Wnt/-catenin signaling upregulates Na _v 1.5 channels in Brugada syndrome iPSC-derived cardiomyocytes.	Species Human
"42-4800 was used in Western Blotting to investigate whether the Wnt/-catenin signaling regulates Nav 1.5 in human-induced pluripotent stem cell-derived cardiomyocytes (iPSC-CMs)."	Dilution 1:1,000
Authors: Lu A,Gu R,Chu C,Xia Y,Wang J,Davis DR,Liang W	
eLife	Year 2022
CREB5 reprograms FOXA1 nuclear interactions to promote resistance to androgen receptor-targeting therapies.	
"Published figure using TBX3 polyclonal antibody (Product # 42-4800) in Western Blot"	
Authors: Hwang JH,Arafah R,Seo JH,Baca SC,Ludwig M,Arnoff TE,Sawyer L,Richter C,Tape S,Bergom HE,McSweeney S,Rennhack JP,Klingenberg SA,Cheung ATM,Kwon J,So J,Kregel S,Van Allen EM,Drake JM,Freedman ML,Hahn WC	

View more WB references on thermofisher.com

Immunohistochemistry (2)

iScience	Year 2022
Patterning the embryonic pulmonary mesenchyme.	Species Mouse
"Published figure using TBX3 polyclonal antibody (Product # 42-4800) in Immunohistochemistry"	
Authors: Goodwin K,Jaslove JM,Tao H,Zhu M,Hopyan S,Nelson CM	
Biology open	Year 2018
Lateral line placodes of aquatic vertebrates are evolutionarily conserved in mammals.	Species Mouse
"42-4800 was used in Immunohistochemistry to examine how, in embryonic mice, apoptosis contributes to the remodelling of the primordial posterior placodal area into physically separated otic and epibranchial placodes."	Dilution 1:200
Authors: Washausen S,Knabe W	

More applications with references on thermofisher.com

- IHC (P) (1)
- ICC/IF (4)
- Flow (1)
- ChIP (2)
- Misc (1)

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