

TBX3 Polyclonal Antibody

Product Details

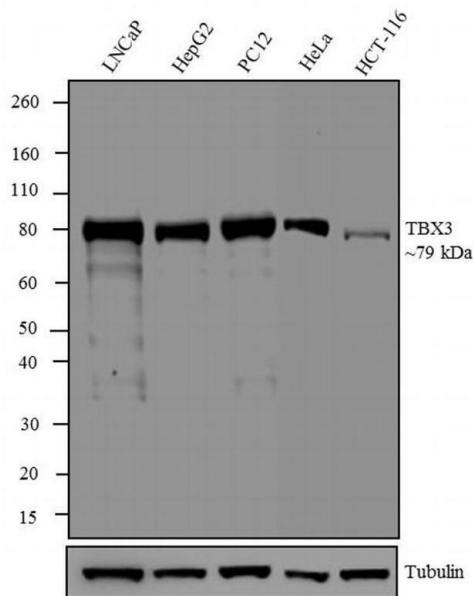
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from an internal region of human T-box 3, which differs from mouse and rat by one conservative and one non-conservative 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	10 Publications
Immunohistochemistry (IHC)	1:1,000	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	3 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

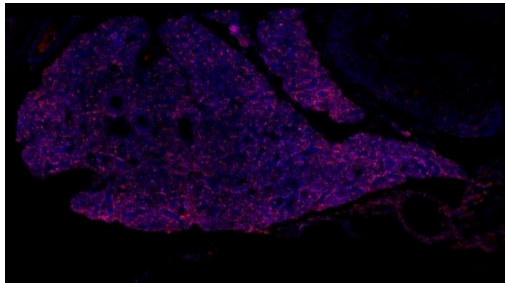
42-4800 has been successfully used in immunohistochemistry analysis of Tbx3 in mouse E16.5 frozen lung sections.

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.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (10)

eLife

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,Arafeh 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,Allen EM,Drake JM,Freedman ML,Hahn WC

Year
2022

Nature communications

Targeting myeloid derived suppressor cells reverts immune suppression and sensitizes BRAF-mutant papillary thyroid cancer to MAPK inhibitors.

"Published figure using TBX3 polyclonal antibody (Product # 42-4800) in Western Blot"

Authors: Zhang P,Guan H,Yuan S,Cheng H,Zheng J,Zhang Z,Liu Y,Yu Y,Meng Z,Zheng X,Zhao L

Year
2022

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

Immunohistochemistry (2)

iScience

Patterning the embryonic pulmonary mesenchyme.

"Published figure using TBX3 polyclonal antibody (Product # 42-4800) in Immunohistochemistry"

Authors: Goodwin K,Jaslove JM,Tao H,Zhu M,Hopyan S,Nelson CM

Year
2022

Biology open

Lateral line placodes of aquatic vertebrates are evolutionarily conserved in mammals.

"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."

Authors: Washausen S,Knabe W

Year
2018

Species
Mouse

Dilution
1:200

More applications with references on thermofisher.com

IHC (P) (1) ICC/IF (3) Flow (1) ChIP (2) Misc (1)

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