


Anti-Tbx3 antibody ab99302

★★★★★ [5 Abreviews](#) [26 References](#) [3 图像](#)

概述	
产品名称	Anti-Tbx3抗体
描述	兔多克隆抗体to Tbx3
宿主	Rabbit
特异性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
经测试应用	适用于: ICC/IF, WB 不适用于: IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Chicken 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	This antibody gave a positive signal in nuclear extracts from the following cell lines: HepG2; MCF7. IHC-P (FFPE): Human Placenta (Normal) tissue.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab99302于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

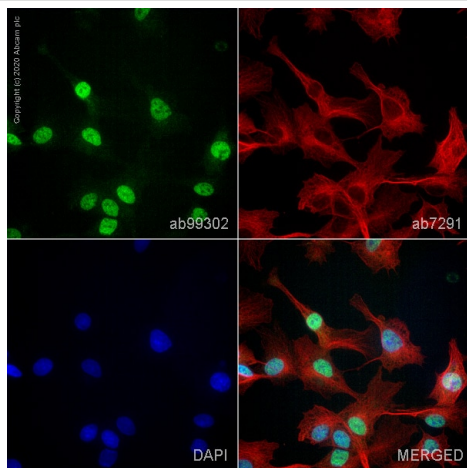
应用	Ab评论	说明
ICC/IF	★★★★★ (2)	Use a concentration of 5 µg/ml.
WB	★★★★★ (3)	Use a concentration of 1 µg/ml. Detects a band of approximately 79 kDa (predicted molecular weight: 79 kDa).

应用说明 Is unsuitable for IHC-P.

靶标

功能	Transcriptional repressor involved in developmental processes. Probably plays a role in limb pattern formation.
组织特异性	Widely expressed.
疾病相关	Defects in TBX3 are the cause of ulnar-mammary syndrome (UMS) [MIM:181450]. UMS is characterized by ulnar ray defects, obesity, hypogenitalism, delayed puberty, hypoplasia of nipples and apocrine glands.
序列相似性	Contains 1 T-box DNA-binding domain.
细胞定位	Nucleus.

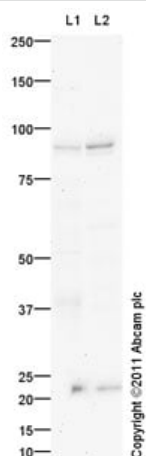
图片



Immunocytochemistry/ Immunofluorescence - Anti-Tbx3 antibody (ab99302)

ab99302 staining Tbx3 in HepG2 cells. The cells were fixed with 4% Paraformaldehyde (10min), permeabilized with 0.1%PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab99302 at 5µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control, at 1/1000 dilution. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488) pre-adsorbed, at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594) pre-adsorbed, at 1/1000 dilution (shown in pseudocolor red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Perkin Elmer, Operetta CLS).



Western blot - Anti-Tbx3 antibody (ab99302)

All lanes : Anti-Tbx3 antibody (ab99302) at 1 µg/ml

Lane 1 : HepG2 (Human hepatocellular liver carcinoma cell line)
Nuclear Lysate

Lane 2 : MCF7 nuclear extract lysate (**ab14860**)

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 79 kDa

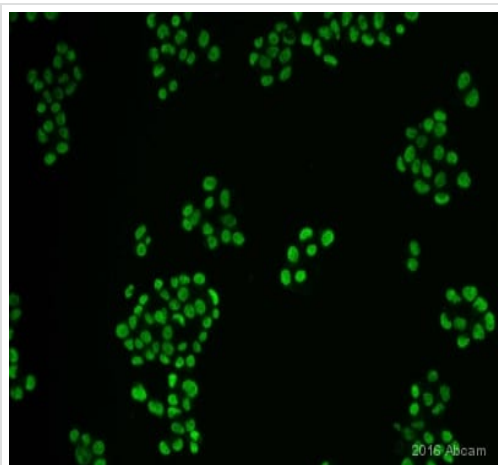
Observed band size: 79 kDa

Additional bands at: 22 kDa, 77 kDa (possible isoform). We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

Ab99302 should recognise all three isoforms of Tbx3. We are probably observing Isoform I and Isoform II on this Western Blot

image. The molecular weights of Isoform I and Isoform II are 77- and 79-kDa respectively.



Immunocytochemistry/ Immunofluorescence - Anti-Tbx3 antibody (ab99302)

This image is courtesy of an Abreview by Zoe Burke.

ab99302 staining Tbx3 in the AR42J-B13 rat pancreatic tumor cell line by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton/PBS and blocked with blocking buffer for 60 minutes at room temperature. Samples were incubated with primary antibody (1/100) for 18 hours at 4°C. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG polyclonal was used as the secondary antibody at a dilution of 1/5000.

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