


Anti-Tbx3 antibody ab99302

★★★★★ [5 Abreviews](#) [26 References](#) [画像数 3](#)

製品の概要

製品名	Anti-Tbx3 antibody
製品の詳細	Rabbit polyclonal to Tbx3
由来種	Rabbit
特異性	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.
アプリケーション	適用あり: ICC/IF, WB 適用なし: IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Chicken 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	This antibody gave a positive signal in nuclear extracts from the following cell lines: HepG2; MCF7. IHC-P (FFPE): Human Placenta (Normal) tissue.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	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.

精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab99302の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

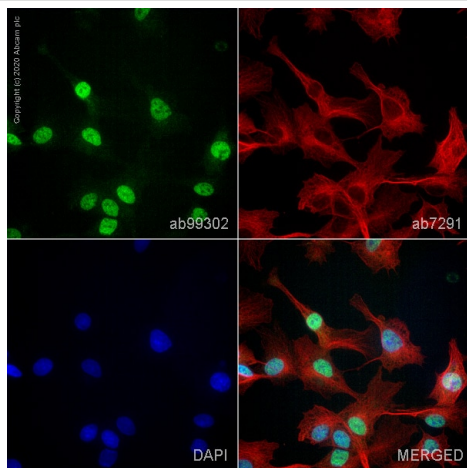
アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (2)	Use a concentration of 5 µg/ml.
WB	★★★★★ (3)	Use a concentration of 1 µg/ml. Detects a band of approximately 79 kDa (predicted molecular weight: 79 kDa).

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	Transcriptional repressor involved in developmental processes. Probably plays a role in limb pattern formation.
組織特異性	Widely expressed.
関連疾患	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.
配列類似性	Contains 1 T-box DNA-binding domain.
細胞内局在	Nucleus.

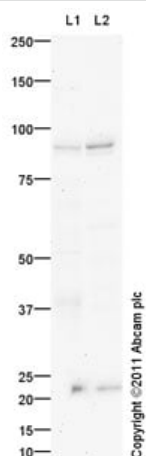
画像



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

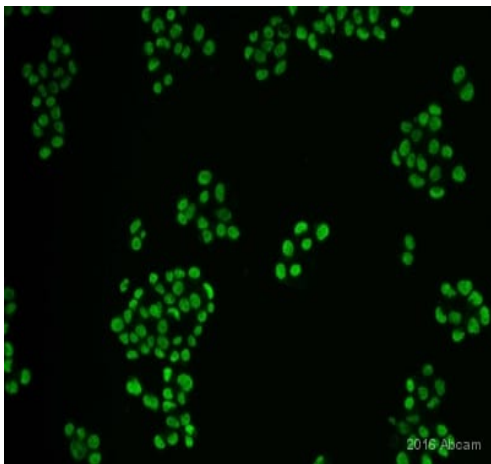
Observed band size: 79 kDa

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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