

Anti-TEAD4 antibody [5H3] ab58310

★★★★☆ **4 Abreviews** **80 References** **3 图像**

概述

产品名称	Anti-TEAD4抗体[5H3]
描述	小鼠单克隆抗体[5H3] to TEAD4
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Recombinant fragment, corresponding to amino acids 151-261 of Human TEAD4
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 30th May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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	<p>pH: 7.40</p> <p>Constituents: 8% Sodium chloride, 0.6% Dibasic monohydrogen sodium phosphate, 0.2% Monobasic dihydrogen potassium phosphate, 0.2% Potassium chloride, 91% Water</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	5H3
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee

“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。

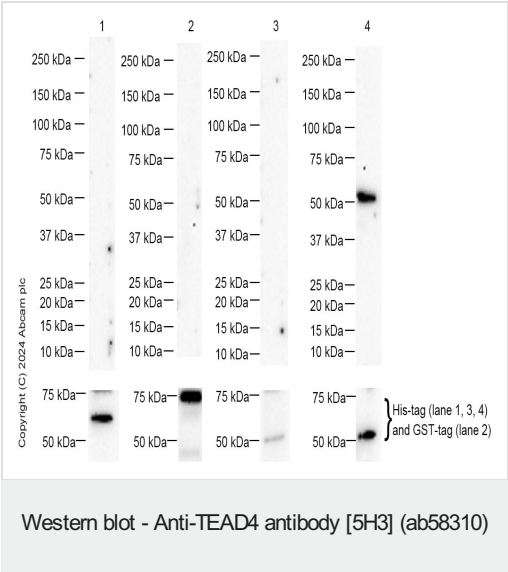
Abpromise™承诺保证使用ab58310于以下的经测试应用

应用	Ab评论	说明
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 48 kDa.

靶标

功能	Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction. Binds specifically and non-cooperatively to the Sph and GT-IIIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription. Binds to the M-CAT motif.
组织特异性	Preferentially expressed in skeletal muscle. Lower levels in pancreas, placenta, and heart.
序列相似性	Contains 1 TEA DNA-binding domain.
细胞定位	Nucleus.

图片



All lanes : Anti-TEAD4 antibody [5H3] (ab58310) at 1/1000 dilution

- Lane 1 : TEAD1 Human Recombinant Protein
- Lane 2 : TEAD2 Human Recombinant Protein
- Lane 3 : TEAD3 Human Recombinant Protein
- Lane 4 : TEAD4 Human Recombinant Protein

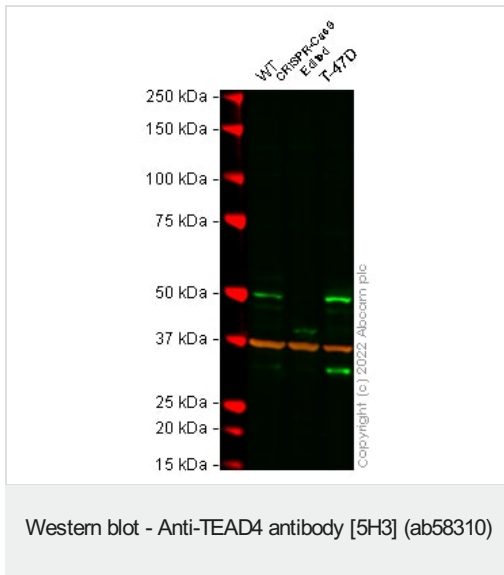
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-mouse IgG at 1/5000 dilution

Predicted band size: 48 kDa
Observed band size: 50-75 kDa

Exposure time: 180 seconds

Blocking/Diluting buffer and concentration: 5% NFDM/TBST.



All lanes : Anti-TEAD4 antibody [5H3] (ab58310) at 1 μ g

Lane 1 : Wild-type A549 cell lysate

Lane 2 : TEAD4 CRISPR-Cas9 edited A549 cell lysate

Lane 3 : T-47D cell lysate

Lysates/proteins at 20 μ g per lane.

Secondary

All lanes : Goat anti-Mouse IgG H&L 800CW and Goat anti-Rabbit IgG H&L 680RD at 1/20000 dilution

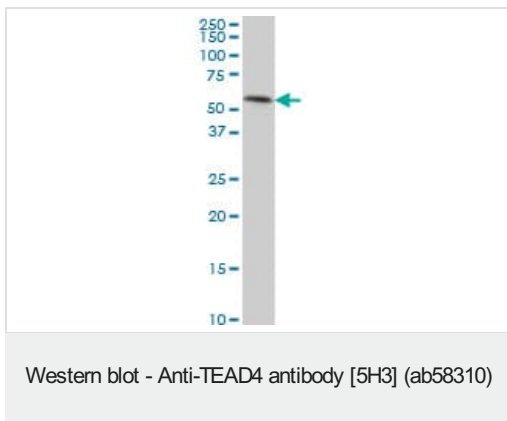
Performed under reducing conditions.

Predicted band size: 48 kDa

Observed band size: 48 kDa

False colour image of Western blot: Anti-TEAD4 antibody [5H3] staining at 1 μ g/ml, shown in green; Rabbit Anti-GAPDH antibody [EPR16891] ([ab181602](#)) loading control staining at 1/20000 dilution, shown in red.

In Western blot, ab58310 was shown to bind specifically to TEAD4. A band was observed at 48 kDa in wild-type A549 cell lysates with no signal observed at this size in TEAD4 CRISPR-Cas9 edited cell line [ab277855](#). The band observed in the CRISPR-Cas9 edited lysate lane below 48 kDa is likely to represent a truncated form of TEAD4. This has not been investigated further and the functional properties of the gene product have not been determined. To generate this image, wild-type and TEAD4 CRISPR-Cas9 edited A549 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Mouse IgG H&L 800CW and Goat anti-Rabbit IgG H&L 680RD at 1/20000 dilution.



TEAD4 antibody (ab58310) at 1ug/lane + HeLa cell lysate at 25ug/lane.

This image was generated using the ascites version of the product.

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