abcam

Product datasheet

Anti-Thrombospondin 2 antibody ab84469

11 References 2 图像

概述

产品名称	Anti-Thrombospondin 2抗体
描述	**兔多克隆抗体**to Thrombospondin 2
宿主	Rabbit
特异性	Reactivity in Rat is no longer guaranteed due to difficulty reproducing in-house experimental evidence, but will remain predicted, due to the immunogen showing 100% xr with Rat. 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:** WB, ICC/IF
种属反应性	**与反应:** Mouse, Human **预测可用于:** Rat, Horse, Chicken, Cow, Dog
免疫原	Synthetic peptide corresponding to Human Thrombospondin 2 aa 650-750 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab96113**)
阳性对照	This antibody gave a positive signal in both Human and Mouse spinal cord tissue lysate. This antibody gave a positive signal in ICC/IF in U2O2 cells.
常规说明	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. 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

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**ab84469**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
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 58 kDa (predicted molecular weight: 129 kDa).
ICC/IF		Use a concentration of 10 µg/ml.

靶标

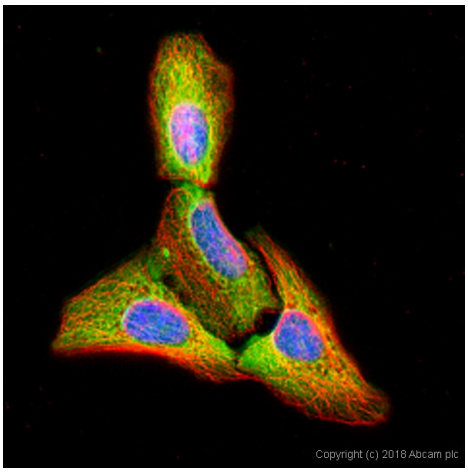
功能 Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Can bind to fibrinogen, fibronectin, laminin and type V collagen.

组织特异性 High expression in invertebral disk tissue.

疾病相关 Genetic variations in THBS2 may be a cause of susceptibility to intervertebral disc disease (IDD) [MIM:603932]; also known as lumbar disk herniation (LDH). IDD is one of the most common musculo-skeletal disorders and the predominant cause of low-back pain and unilateral leg pain.

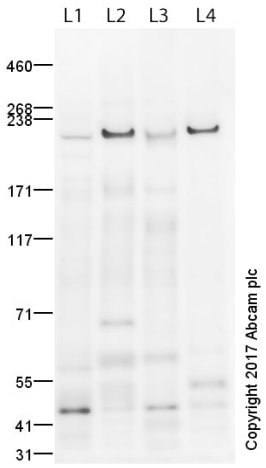
序列相似性 Belongs to the thrombospondin family.
Contains 3 EGF-like domains.
Contains 1 TSP C-terminal (TSPC) domain.
Contains 1 TSP N-terminal (TSPN) domain.
Contains 3 TSP type-1 domains.
Contains 8 TSP type-3 repeats.
Contains 1 VWFC domain.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Thrombospondin 2 antibody (ab84469)

Ab84469 staining Thrombospondin 2 in U2O2 cells. The cells were fixed with 100% Methanol (5 min), permeabilized with 0.1% 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 ab84469 at 10ugml then detected with an Alexa Fluor® 488 goat anti-rabbit secondary antibody (**ab150081**) at a 1/1000 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue), and tubulin was labelled using **ab7291** Mouse monoclonal to alpha Tubulin together with **ab150120** Goat Anti-Mouse IgG H&L (Alexa Fluor® 594), at a 1/1000 dilution (shown in red).



Western blot - Anti-Thrombospondin 2 antibody (ab84469)

All lanes : Anti-Thrombospondin 2 antibody (ab84469) at 1 mg/ml

Lane 1 : Mouse spinal cord embryo E14
Lane 2 : Human skin
Lane 3 : Mouse skin
Lane 4 : A431 (Human epithelial carcinoma cell line)

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 129 kDa
Additional bands at: 210 kDa (possible glycosylated form), 46 kDa (possible cleavage fragment), 58 kDa (possible non-specific binding)

Exposure time: 20 minutes

This blot was produced using a 3-8% Tris Acetate gel under the TA buffer system. The gel was run at 150V for 60 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with abX overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution **ab133406**.

ab84469 contains a potential glycosylation site (SwissProt) which may explain its migration at a higher molecular weight than predicted.

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