


Anti-Thrombospondin 2 antibody ab84469

[11 References](#) [2 Images](#)

Overview

Product name	Anti-Thrombospondin 2 antibody
Description	Rabbit polyclonal to Thrombospondin 2
Host species	Rabbit
Specificity	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.
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Horse, Chicken, Cow, Dog 
Immunogen	Synthetic peptide corresponding to Human Thrombospondin 2 aa 650-750 conjugated to keyhole limpet haemocyanin. (Peptide available as ab96113)
Positive control	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.
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	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.

Purity Immunogen affinity purified
Clonality Polyclonal
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab84469 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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.

Target

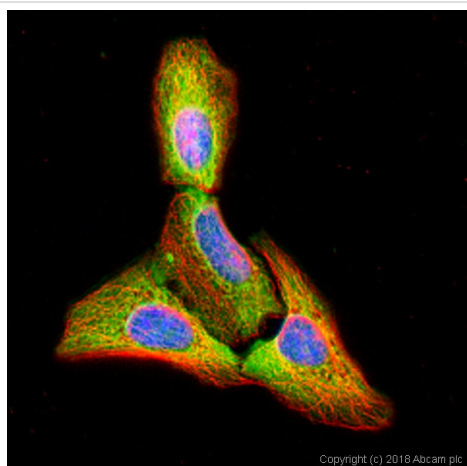
Function Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Can bind to fibrinogen, fibronectin, laminin and type V collagen.

Tissue specificity High expression in intervertebral disk tissue.

Involvement in disease 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.

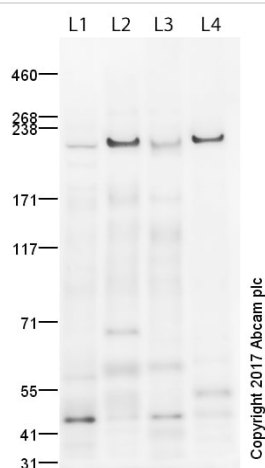
Sequence similarities Belongs to the thrombospondin family.
Contains 3 EGF-like domains.
Contains 1 TSP C-terminal (TSPC) domain.
Contains 1 TSP N-terminal (TSPN) domain.
Contains 3 TSP type-1 domains.
Contains 8 TSP type-3 repeats.
Contains 1 VWFC domain.

Images



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 10ug/ml 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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