

Anti-Thrombospondin 1 antibody ab85762

★★★★★ [7 Abreviews](#) [58 References](#) [3 图像](#)

概述

产品名称	Anti-Thrombospondin 1抗体
描述	兔多克隆抗体to Thrombospondin 1
宿主	Rabbit
特异性	Replenishment batches of our polyclonal antibody, ab85762 are tested in WB. Previous batches were additionally validated in ICC/IF and IHC-P. These applications are still expected to work and are covered by our Abpromise guarantee. You may also be interested in our alternative recombinant antibody, ab263905 .
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Chicken, Cow 
免疫原	Synthetic peptide corresponding to Human Thrombospondin 1 aa 750-850 conjugated to keyhole limpet haemocyanin. Database link: 85762 (Peptide available as ab94880)
阳性对照	ICC/IF: HeLa cells
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ab85762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
IHC-P	★★★★★ (1)	Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 5 µg/ml.
WB	★★★★★ (3)	Use a concentration of 1 µg/ml. Detects a band of approximately 155 kDa (predicted molecular weight: 129 kDa). Human Thrombospondin-1 is predicted to migrate in WB to ~155kDa as it contains a number of potential glycosylation sites; Swiss Prot predicts a protein of 129kDa not taking modifications into account.

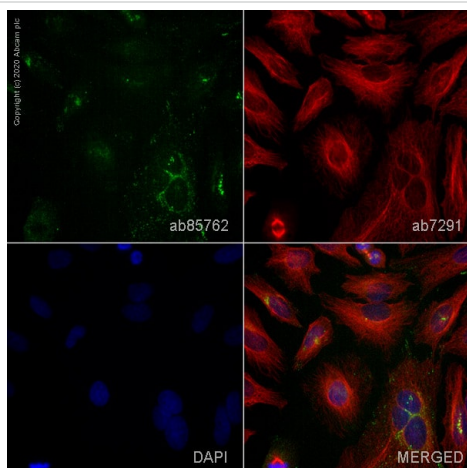
靶标

功能 Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Binds heparin. May play a role in dentinogenesis and/or maintenance of dentin and dental pulp (By similarity). Ligand for CD36 mediating antiangiogenic properties. Plays a role in ER stress response, via its interaction with the activating transcription factor 6 alpha (ATF6) which produces adaptive ER stress response factors.

序列相似性 Belongs to the thrombospondin family.
Contains 2 EGF-like domains.
Contains 1 laminin G-like domain.
Contains 1 TSP C-terminal (TSPC) domain.
Contains 3 TSP type-1 domains.
Contains 8 TSP type-3 repeats.
Contains 1 VWFC domain.

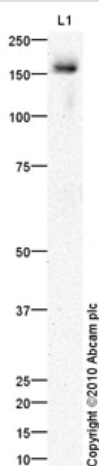
细胞定位 Endoplasmic reticulum. Sarcoplasmic reticulum.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Thrombospondin 1 antibody (ab85762)

ab85762 staining Thrombospondin-1 in HeLa cells. The cells were fixed with 4% paraformaldehyde (10 min), 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 ab85762 at 1µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. 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 pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).



Western blot - Anti-Thrombospondin 1 antibody (ab85762)

Anti-Thrombospondin 1 antibody (ab85762) at 1 µg/ml + HUVEC (Human Umbilical Vein Endothelial Cell) Whole Cell Lysate at 10 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

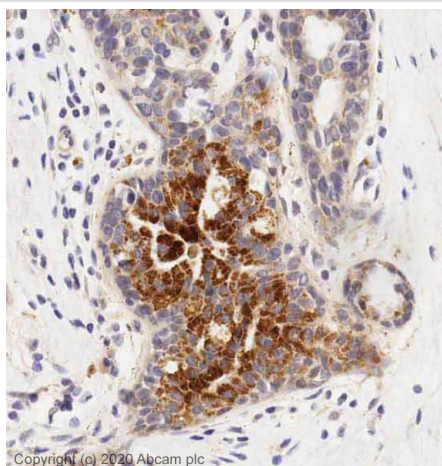
Performed under reducing conditions.

Predicted band size: 129 kDa

Observed band size: 155 kDa

Exposure time: 5 minutes

Human Thrombospondin-1 is predicted to migrate in WB to ~155kDa as it contains a number of potential glycosylation sites; Swiss Prot predicts a protein of 129kDa not taking modifications into account.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thrombospondin 1 antibody (ab85762)

IHC image of Thrombospondin 1 antibody staining in a section of formalin-fixed paraffin-embedded human breast ductal carcinoma* tissue performed on a Leica BOND™ system using the standard protocol. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab85762, 5ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

**Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*

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