

Anti-Thrombospondin 2 antibody ab112543

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Overview

Product name	Anti-Thrombospondin 2 antibody
Description	Rabbit polyclonal to Thrombospondin 2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to an internal sequence of Human Thrombospondin 2.
Positive control	WB: HeLa, 22RV1, U-87MG, THP-1, PC-3, Caco-2 whole cell lysates. IHC-P: Human Placenta tissue.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab112543 in the following tested applications.

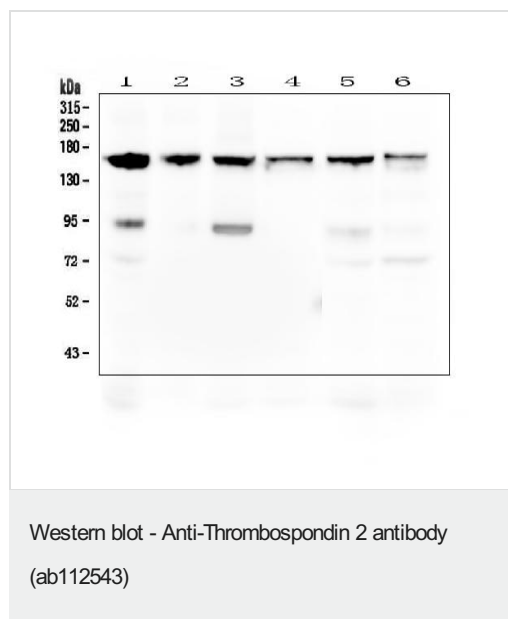
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 130 kDa.
IHC-P		Use a concentration of 0.5 - 1 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	<p>Belongs to the thrombospondin family.</p> <p>Contains 3 EGF-like domains.</p> <p>Contains 1 TSP C-terminal (TSPC) domain.</p> <p>Contains 1 TSP N-terminal (TSPN) domain.</p> <p>Contains 3 TSP type-1 domains.</p> <p>Contains 8 TSP type-3 repeats.</p> <p>Contains 1 VWFC domain.</p>

Images



All lanes : Anti-Thrombospondin 2 antibody (ab112543) at 0.5 µg/ml

Lane 1 : HeLa cell lysate

Lane 2 : 22RV1 cell lysate

Lane 3 : U-87MG cell lysate

Lane 4 : THP-1 cell lysate

Lane 5 : PC-3 cell lysate

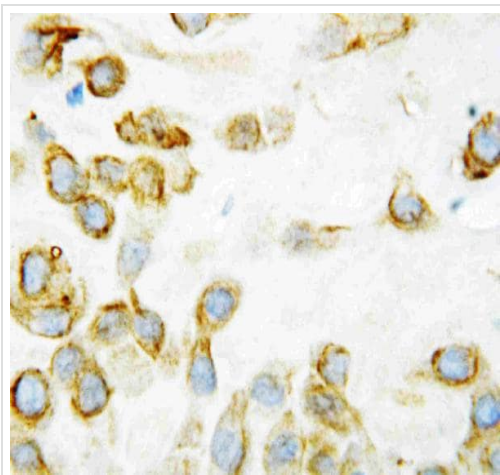
Lane 6 : Caco-2 cell lysate

Lysates/proteins at 50 µg per lane.

Secondary

All lanes : goat anti-rabbit IgG-HRP secondary antibody at 1/10000 dilution

Predicted band size: 130 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thrombospondin 2 antibody (ab112543)

Thrombospondin 2/THBS2 was detected in paraffin-embedded section of human placenta tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 µg/ml ab112543 overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex with DAB as the chromogen.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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