

Datasheet for ABIN3042702

**anti-Thrombospondin 2 antibody (Middle Region)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	Thrombospondin 2 (THBS2)
Binding Specificity:	AA 637-655, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Thrombospondin-2(THBS2) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Thrombospondin 2(637-655aa EAAKTEKQVCEPENPCKDK), different from the mouse sequence by two amino acids.
Sequence:	EAAKTEKQVC EPENPCKDK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Thrombospondin-2(THBS2) detection. Tested with WB, IHC-P in Human. Gene Name: thrombospondin 2 Protein Name: Thrombospondin-2

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: Thrombospondin 2 (THBS2)

Alternative Name: THBS2 ([THBS2 Products](#))

Background: Thrombospondin-2(THBS2) is a protein that in humans is encoded by the THBS2 gene. The protein encoded by this gene belongs to the thrombospondin family. The THBS2 is mapped to 6q27 and it is located on chromosome 17. The gene was transcribed in fibroblasts, smooth muscle cells, and an osteosarcoma cell line. It functions as a protein inhibitor of tumor growth and angiogenesis and modulates the cell surface properties of mesenchymal cells and be involved in cell adhesion and migration.

Synonyms: THBS2 antibody|Thrombospondin-2 antibody|TSP2 antibody|TSP2\_HUMAN antibody

UniProt: [P35442](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

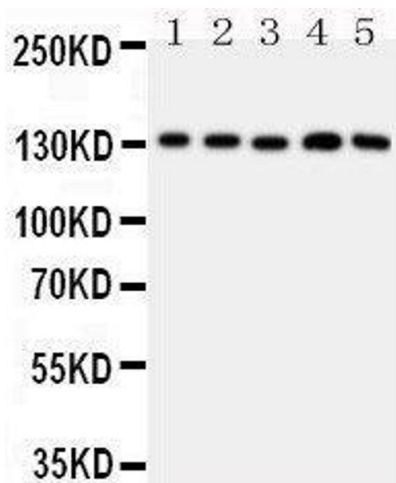
Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

## Handling

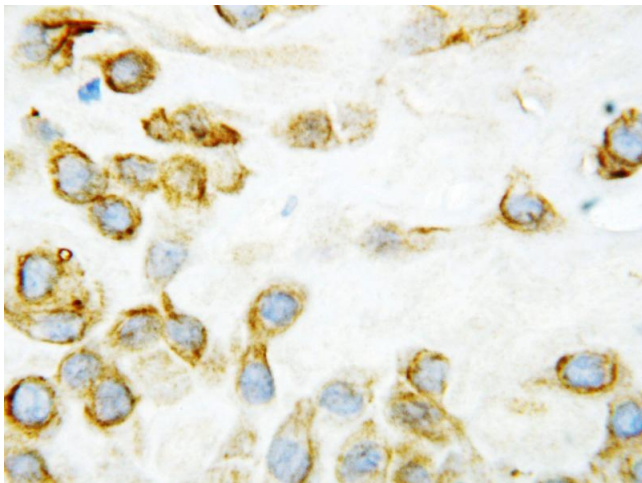
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

## Images



### Western Blotting

**Image 1.** Anti-Thrombospondin 2 antibody, Western blotting  
All lanes: Anti THBS2 at 0.5ug/ml Lane 1: SMMC Whole Cell Lysate at 40ug Lane 2: MCF-7 Whole Cell Lysate at 40ug Lane 3: Whole Cell Lysate at 40ug Lane 4: JURKAT Whole Cell Lysate at 40ug Lane 5: NIH 3T3 Whole Cell Lysate at 40ug Predicted bind size: 130KD Observed bind size: 130KD



### Immunohistochemistry

**Image 2.** Anti-Thrombospondin 2 antibody, IHC(P) IHC(P):  
Human Placenta Tissue