

Datasheet for 600-401-R01**THBS2 Antibody****Overview**

Description:	Anti-THBS2 (RABBIT) Antibody - 600-401-R01
Item No.:	600-401-R01
Size:	100 µg
Applications:	FC, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

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. This antibody is suitable for researchers interested in cancer research.
Synonyms:	THBS2, Thrombospondin-2, TSP2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	THBS2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	THBS2 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human THBS2.

Purity/Specificity: Anti-THBS2 antibody is directed against human THBS2 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human and mouse based on homology for the immunogen sequence. Cross reactivity with THBS2 from other sources has not been determined.

Relevant Links:

- [UniProtKB - P35442](#)
- [GeneID - 7058](#)
- [NCBI - NP_003238.2](#)

Application Details

Tested Applications: FC, IHC, WB

Application Note: Anti-THBS2 is tested for Flow Cytometry, Immunohistochemistry-P, Immunocytochemistry, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~130 kDa corresponding to the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

FC: 1-3µg/1x10⁶ cells

IHC: 0.5-1µg/ml

WB: 0.1-0.5µg/ml

Formulation

Physical State: Lyophilized

Concentration: 0.5 mg/mL by UV absorbance at 280 nm

Stabilizer: 5mg BSA

Reconstitution Volume: 100 µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

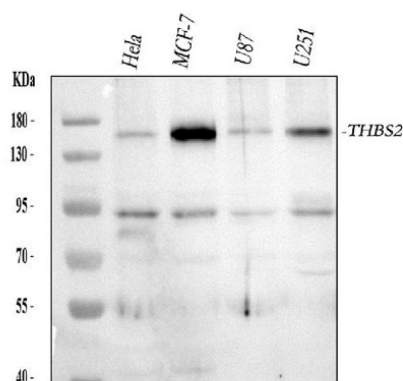
Shipping & Handling

Shipping Condition: Ambient

Storage Condition: Product contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.01mg NaN₃. Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot analysis of THBS2 using anti-THBS2 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human U87 whole cell lysates, Lane 4: human U251 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with affinity purified rabbit anti-THBS2 antigen polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for THBS2 at approximately 160 kDa. The expected band size for THBS2 is at 130 kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.