

# Product Datasheet

## Thrombospondin-1 Antibody

### NBP2-42522

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-42522****Thrombospondin-1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat Thrombospondin-1 Antibody (NBP2-42522) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Thrombospondin-1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	7057
<b>Gene Symbol</b>	THBS1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Predicted cross-reactivity based on sequence identity: Mouse, Rat.
<b>Immunogen</b>	Peptide with sequence NRIPESGGDNSVFD-C corresponding to N-Terminus according to NP_003237.2.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.3-1 ug/ml, Flow Cytometry 10 ug/ml, Immunohistochemistry 3.75 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 3.75 ug/ml, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	Western Blot: Approx 150kDa band observed in Mouse Kidney lysates (calculated MW of 129kDa according to NP_035710.2). Primary incubation 1 hour at room temperature. Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa and HepG2 cells. Flow Cytometry: Flow cytometric analysis of A431 cells.

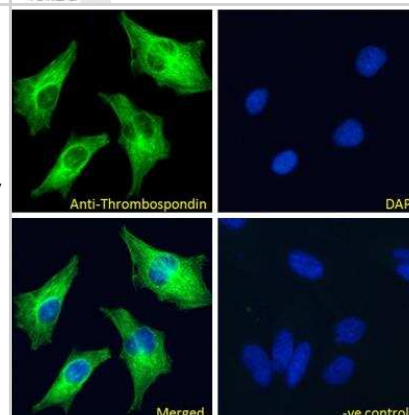


## Images

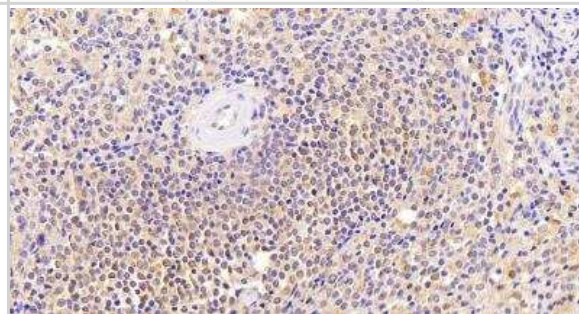
Western Blot: Thrombospondin-1 Antibody [NBP2-42522] - (1ug/ml) staining of Mouse Kidney lysate (35ug protein in RIPA buffer). Detected by chemiluminescence



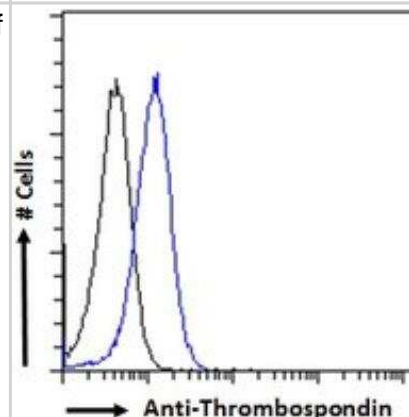
Immunocytochemistry/Immunofluorescence: Thrombospondin-1 Antibody [NBP2-42522] - analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



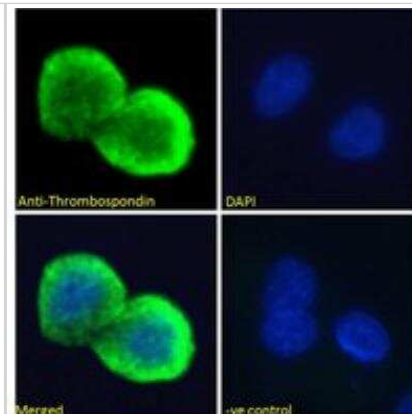
Immunohistochemistry-Paraffin: Thrombospondin-1 Antibody [NBP2-42522] - (5ug/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



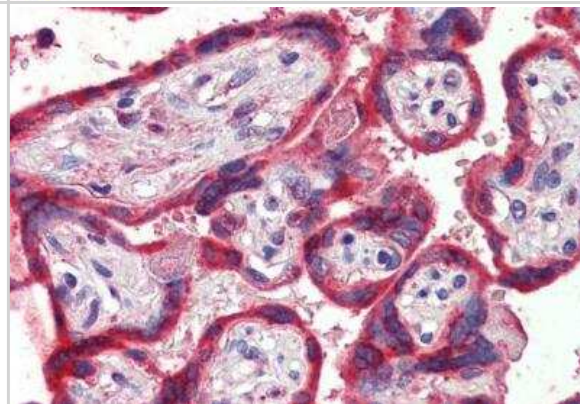
Flow Cytometry: Thrombospondin-1 Antibody [NBP2-42522] - analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



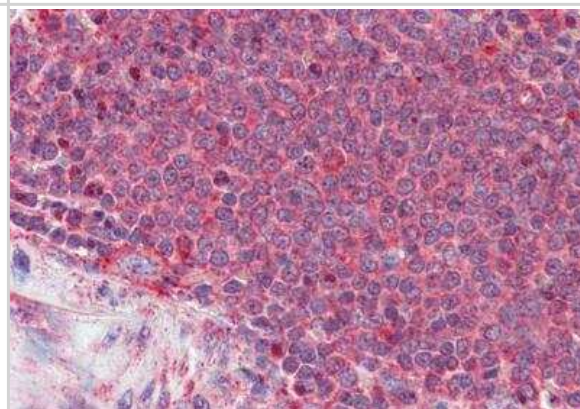
Immunocytochemistry/Immunofluorescence: Thrombospondin-1 Antibody [NBP2-42522] - analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic/Plasma Membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



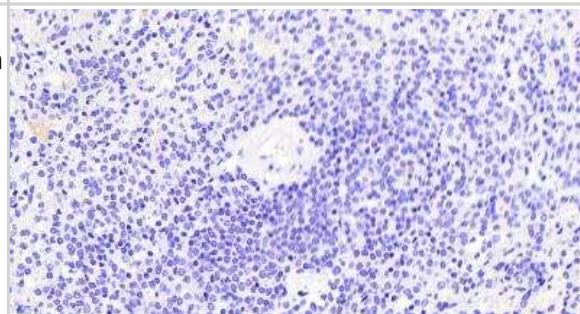
Immunohistochemistry-Paraffin: Thrombospondin-1 Antibody [NBP2-42522] - staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: Thrombospondin-1 Antibody [NBP2-42522] - staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: Thrombospondin-1 Antibody [NBP2-42522] - Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



## Publications

Pan MR, Chang HC, Chuang LY, Hung WC. The nonsteroidal anti-inflammatory drug NS398 reactivates SPARC expression via promoter demethylation to attenuate invasiveness of lung cancer cells. Exp Biol Med (Maywood) 2008-04-01 [PMID: 18367635]



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### **Products Related to NBP2-42522**

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-56694PEP	Thrombospondin-1 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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