Product Datasheet

Thrombospondin-1 Antibody (A6.1)
NB100-2059

Unit Size: 0.25 ml

Store at 4C. Do not freeze.

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Publications: 11

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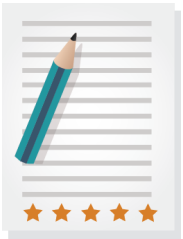
Updated 10/23/2024 v.20.1



NB100-2059

Thrombospondin-1 Antibody (A6.1)

Product Information

Unit Size	0.25 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	A6.1
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS (pH 7.4), 0.2% BSA, Tween-20

Product Description

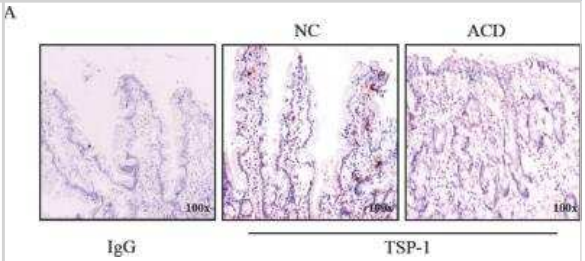
Host	Mouse
Gene ID	7057
Gene Symbol	THBS1
Species	Human
Specificity/Sensitivity	This is specific to 450 kD protein, a non-reduced form, and 170 to 180 kD protein, a reduced form, of Thrombospondin.
Immunogen	BALB/C mice were injected with reduced and alkylated purified human TSP (fully denatured) from the supernatant of thrombin-activated platelets.

Product Application Details

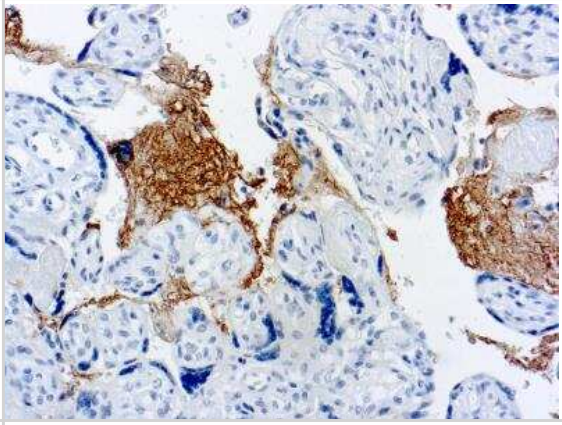
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Block/Neutralize
Recommended Dilutions	Western Blot, Immunohistochemistry 1:25-1:50, Immunohistochemistry-Paraffin 1:25-1:50, Immunohistochemistry-Frozen, Block/Neutralize
Application Notes	IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT. Use in Blocking/Neutralizing reported in scientific literature (PMID: 19509293). Use in Western blot reported in reported in scientific literature (PMID: 27447109). Use in Immunohistochemistry-Frozen reported in scientific literature (PMID: 24971453).

Images

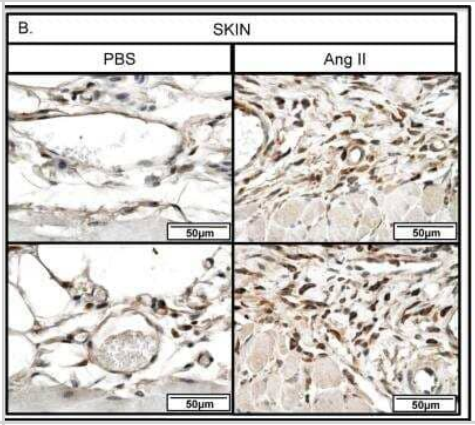
Immunohistochemistry: Thrombospondin-1 Antibody (A6.1) [NB100-2059] - Representative photomicrographs showing Thrombospondin-1 (A) immunostaining in duodenal sections of 1 non-CD controls (NC) and 1 active celiac disease (ACD) patient. Isotype control staining is also shown. Right panels: positive cells were counted in at least 5 fields/section of duodenal samples of 5 NC and 5 ACD patients and expressed as mean +/- SD of all experiments. Image collected and cropped by CiteAb from the following publication (dx.plos.org/10.1371/journal.pone.0100980), licensed under a CC-BY license.



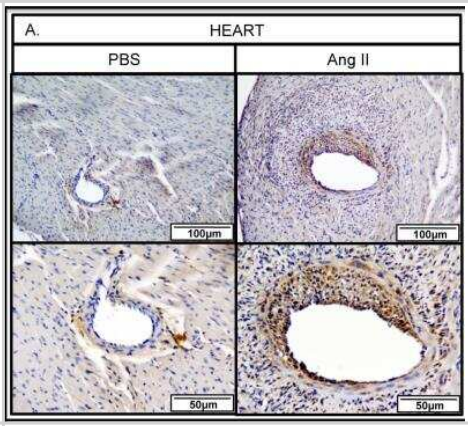
Immunohistochemistry-Paraffin: Thrombospondin-1 Antibody (A6.1) [NB100-2059] - Staining in human placenta.



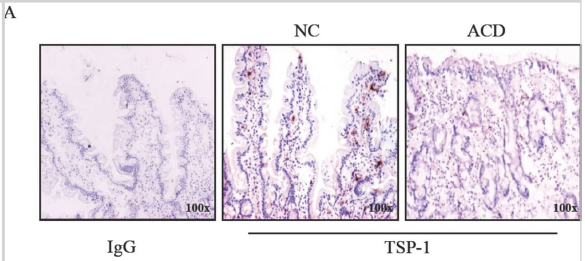
Immunohistochemistry-Paraffin: Thrombospondin-1 Antibody (A6.1) [NB100-2059] - Ang II increases the number of TSP-1 positive cells in mouse heart and skin.IHC staining of TSP-1 was performed on paraffin sections from the skin of PBS and Ang II treated WT mice. Representative photographs are shown from five animals per group. Image collected and cropped by CiteAb from the following publication (dx.plos.org/10.1371/journal.pone.0109763), licensed under a CC-BY license.



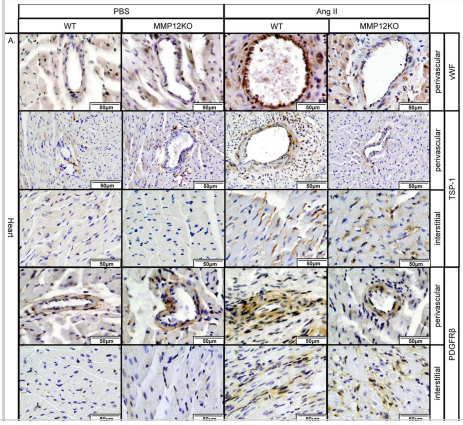
Immunohistochemistry-Paraffin: Thrombospondin-1 Antibody (A6.1) [NB100-2059] - Ang II increases the number of TSP-1 positive cells in mouse heart and skin.IHC staining of TSP-1 was performed on paraffin sections from the heart of PBS and Ang II treated WT mice. Representative photographs are shown from five animals per group. Image collected and cropped by CiteAb from the following publication (dx.plos.org/10.1371/journal.pone.0109763), licensed under a CC-BY license.



Thrombospondin-1, CD36, and CD61 protein expression is down-regulated in active celiac disease.Representative photomicrographs showing Thrombospondin-1 (A), CD36 (B) and CD61 (C) immunostaining in duodenal sections of 1 non-CD controls (NC) and 1 active celiac disease (ACD) patient. Isotype control staining is also shown. Right panels: positive cells were counted in at least 5 fields/section of duodenal samples of 5 NC and 5 ACD patients and expressed as mean ± SD of all experiments.



Immunohistochemistry-Paraffin: Thrombospondin-1 Antibody (A6.1) [NB100-2059] - Reduced levels of vascular & pericyte markers in MMP12KO mice.A. IHC staining of vWF, TSP-1 & PDGFRβ was performed on paraffin sections from the heart of PBS & Ang II treated WT & MMP12KO mice. B. IHC staining of vWF, & PDGFRβ was performed on paraffin sections from the skin of PBS & Ang II treated WT & MMP12KO mice. Representative photographs are shown from three animals per group. Image collected & cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0109763), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

G Jacquemin, A Wurmser, M Huyghe, W Sun, Z Homayed, C Merle, M Perkins, F Qasrawi, S Richon, F Dingli, G Arras, D Loew, D Vignjevic, J Pannequin, S Fre Paracrine signalling between intestinal epithelial and tumour cells induces a regenerative programme Elife, 2022-05-11;11(0):. 2022-05-11 [PMID: 35543624]

Zhang X, Yang L, Szeto P et al. The Hippo pathway oncoprotein YAP promotes melanoma cell invasion and spontaneous metastasis Oncogene 2020-06-21 [PMID: 32561850]

Jin A, Zhou J, yu P et al. High Expression of THBS1 Leads to a Poor Prognosis in Papillary Thyroid Cancer and Suppresses the Anti-Tumor Immune Microenvironment Technology in cancer research & treatment 2022-03-22 [PMID: 35315710] (PCR, Human)

Zhang X, Yang L, Szeto P et al. The Hippo pathway oncoprotein YAP promotes melanoma cell invasion and spontaneous metastasis bioRxiv (WB)

Chen SZ, Ning LF, Xu X, Jiang WY et al. The miR-181d-regulated metalloproteinase Adamts1 enzymatically impairs adipogenesis via ECM remodeling Cell Death Differ. 2016-11-01 [PMID: 27447109] (WB, Human)

Mouton AJ, Ma Y, Rivera Gonzalez OJ et al. Fibroblast polarization over the myocardial infarction time continuum shifts roles from inflammation to angiogenesis. Basic Res. Cardiol. 2019-01-11 [PMID: 30635789] (B/N, Mouse)

Chen X, Yang B, Tian J et al. Dental Follicle Stem Cells Ameliorate Lipopolysaccharide-Induced Inflammation by Secreting TGF-b3 and TSP-1 to Elicit Macrophage M2 Polarization Cell. Physiol. Biochem. 2018-12-07 [PMID: 30537736] (B/N, Rat)

Jayachandran Aparna, Anaka Matthew, Prithviraj Prashanth et al. Thrombospondin 1 promotes an aggressive phenotype through epithelial-to-mesenchymal transition in human melanoma. Oncotarget. 2014-07-30 [PMID: 25051363] (IF/IHC, Human)

Stawski L, Haines P, Fine A et al. MMP-12 Deficiency Attenuates Angiotensin II-Induced Vascular Injury, M2 Macrophage Accumulation, and Skin and Heart Fibrosis. PLoS OnE. 2014-10-11 [PMID: 25302498] (IHC-P, Mouse)

Cupi ML, Sarra M, De Nitto D et al. Defective expression of scavenger receptors in celiac disease mucosa PLoS ONE 2014-06-28 [PMID: 24971453] (IHC-Fr, Human)

Details:
Thrombospondin antibody used for IHC-Fr on Human duodenal biopsy samples from Active Celiac Disease (ACD), Inactive Celiac Disease (ICD) or non-CD controls (NC) patients. Frozen sections fixed with PFA were incubated with mouse anti-human TSP-1 (1:100 dilution) for 1 h at room temperature followed by detection with Ultravision HRP-Polymer kit /DAB and counterstaining with hematoxylin (see Figure 3A for staining images).

Michaud-Levesque J, Richard S. Thrombospondin-1 is a transcriptional repression target of PRMT6. J Biol Chem 2009-08-07 [PMID: 19509293] (B/N, Human)

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-56694PEP	Thrombospondin-1 Recombinant Protein Antigen

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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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