Product Datasheet

THSD1 Antibody - BSA Free
NBP1-86930

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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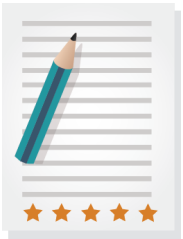
www.novusbio.com/NBP1-86930

Updated 12/2/2025 v.20.1



NBP1-86930

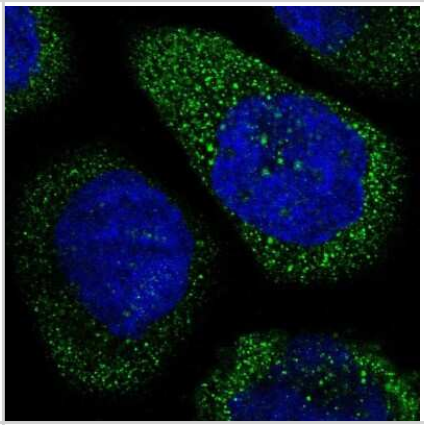
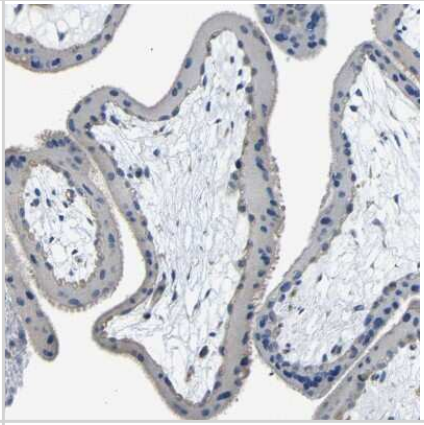
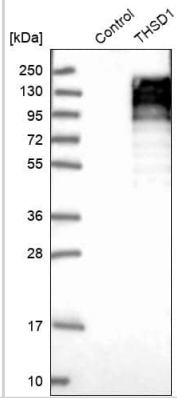
THSD1 Antibody - BSA Free

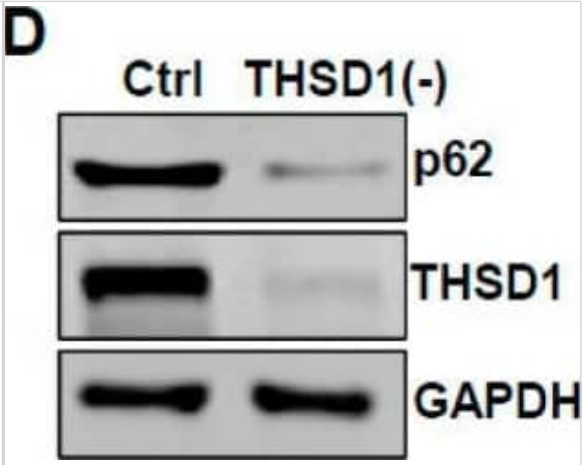
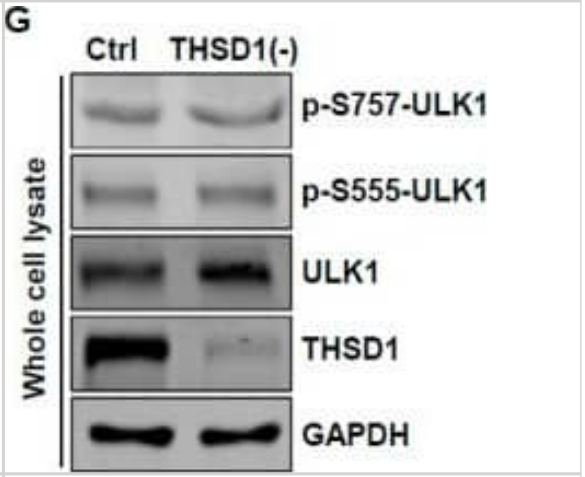
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit THSD1 Antibody - BSA Free (NBP1-86930) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-THSD1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	55901
Gene Symbol	THSD1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (82%), Rat (82%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VPPEDDASGSESFQSNAQKIIPPLFSYRLAQQQLKEMKKKGLTETTKVYHVSQ SPLTDTAIDAAPSAPLDLESPEEAAANKFRIKSPFPEQPAVSAGERPPSRLDLN VTQ

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50-1:200
Application Notes	WB reported in scientific literature (PMID: 28576485). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

Immunocytochemistry/Immunofluorescence: THSD1 Antibody [NBP1-86930] - Immunofluorescent staining of human cell line A-431 shows localization to cytosol.	
Immunohistochemistry-Paraffin: THSD1 Antibody [NBP1-86930] - Staining of human placenta shows weak cytoplasmic positivity in trophoblastic cells.	
Analysis in control (vector only transfected HEK293T lysate) and THSD1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).	

THSD1 inactivation promotes autophagy in endothelial cells. (A) Representative images of GFP-LC3 puncta formation in control or THSD1-deficient HBMECs in the absence and presence of pepstatin (50 ug/mL)/E-64D (50 uM) treatment (abbreviated as P/E) for 6 h. Specifically, GFP-LC3 puncta formation in control cells without vs. with P/E treatment (A1 vs. A3) and THSD1-deficient cells without vs. with P/E treatment (A2 vs. A4). (B,C) Analysis of the effects of THSD1 inactivation on LC3 puncta formation (B) and autophagic flux (C) in control or THSD1 -deficient cells. The number of LC3 puncta per cellular profile was quantified. (D) Western blot analysis of p62 protein levels in control or THSD1-deficient HBMECs, with quantification in (E). (F) Representative images of Western blots against ubiquitinated proteins using the FK1 antibody. GAPDH served as a loading control. (G) Fold changes were calculated after normalization to the total ubiquitinated protein level in the control sample (n = 3 independent experiments). * $p < 0.05$; ** $p < 0.01$. ns: not significant. Scale bar: 10 um. Image collected and cropped by CiteAb from the following open publication (https://www.mdpi.com/1422-0067/25/4/2139), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
THSD1-mediated autophagy is independent of mTOR or AMPK pathway. (A–C) Western blot analysis of whole cell lysates (WCL) from control or THSD1-deficient HBMECs using antibodies against p-S6K-T389, S6K, p-4E-BP1-37/46, and 4E-BP1. GAPDH served as a loading control. Quantification of p-S6K-T389 (B) and p-4E-BP1-T37/46 (C) levels was analyzed by Student's t-test (n = 3 independent experiments). (D–I) Representative Western blots of WCL from control or THSD1-deficient HBMECs for analyzing AMPK signaling (D–F) or ULK1 activation (G–I). Quantification of p-AMPKα-T172 (E), p-ACC-S79 (F), p-ULK1-S757, and p-ULK1-S555 was analyzed by Student's t-test (n = 3 independent experiments). ns: not significant. Image collected and cropped by CiteAb from the following open publication (https://www.mdpi.com/1422-0067/25/4/2139), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
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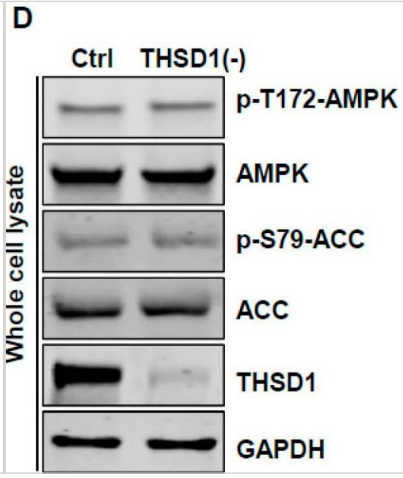

Publications

Zhen Xu, Jiayi Lu, Song Gao, Yan-Ning Rui, Antonia Patruno, Mirko Pesce, Maccarone Rita THSD1 Suppresses Autophagy-Mediated Focal Adhesion Turnover by Modulating the FAK-Beclin 1 Pathway International Journal of Molecular Sciences 2024-02-10 [PMID: 38396816]

Xu Z, Rui YN, Balzeau J et al. Highly efficient one-step scarless protein tagging by type IIS restriction endonuclease-mediated precision cloning Biochem. Biophys. Res. Commun. 2017-08-12 [PMID: 28576485] (WB, Human)

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-86930

NBP1-86930PEP	THSD1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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