

Product Datasheet

TACE/ADAM17 Antibody (JM10-35) NBP2-67179

Unit Size: 100 ul

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

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NBP2-67179**TACE/ADAM17 Antibody (JM10-35)**

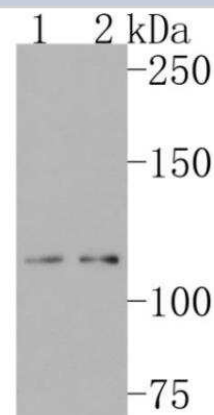
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JM10-35
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	93 kDa

Product Description	
Description	Novus Biologicals Rabbit TACE/ADAM17 Antibody (JM10-35) (NBP2-67179) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-TACE/ADAM17 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6868
Gene Symbol	ADAM17
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human TACE/ADAM17 aa 757-790 / 824. (SwissProt: P78536 Human; SwissProt: Q9Z0F8 Mouse; SwissProt: Q9Z1K9 Rat)

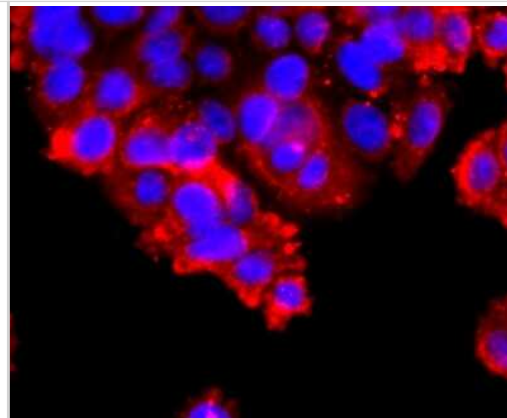
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, Flow Cytometry 1:50-1:100, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation Use at an assay dependent concentration., Immunohistochemistry-Frozen 1:100

Images

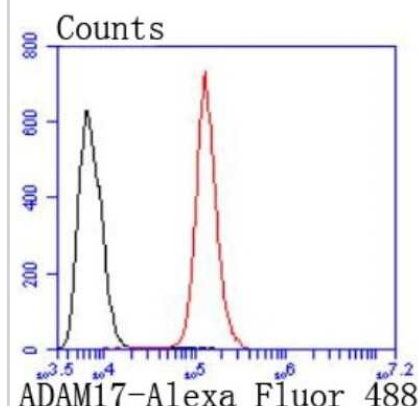
Western Blot: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Analysis of ADAM17 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: SW480 cell lysate Lane 2: HepG2 cell lysate



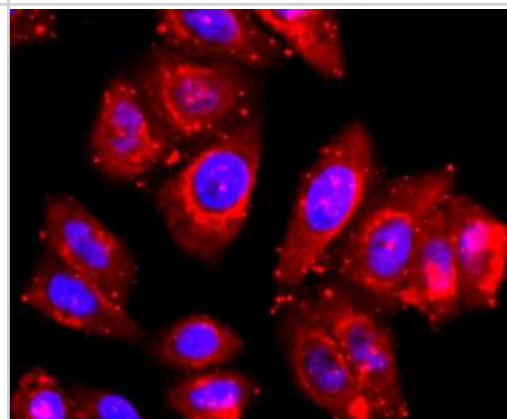
Immunocytochemistry/Immunofluorescence: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Staining ADAM17 in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



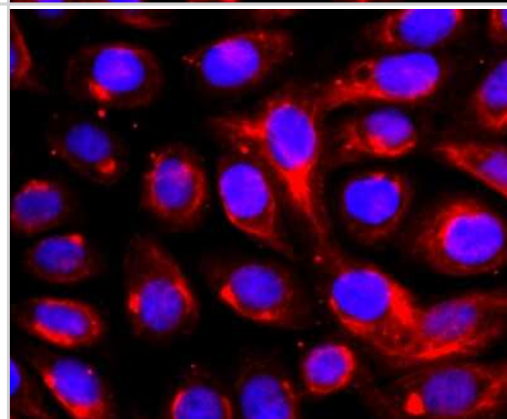
Flow Cytometry: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Analysis of Hela cells with ADAM17 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



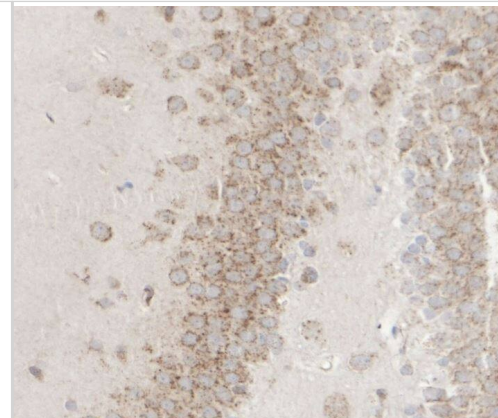
Immunocytochemistry/Immunofluorescence: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Staining ADAM17 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



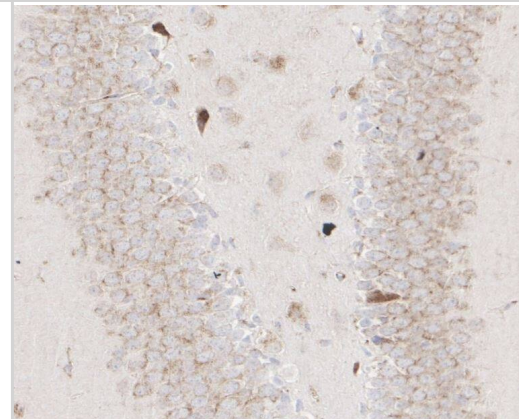
Immunocytochemistry/Immunofluorescence: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Staining ADAM17 in SKOV-3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



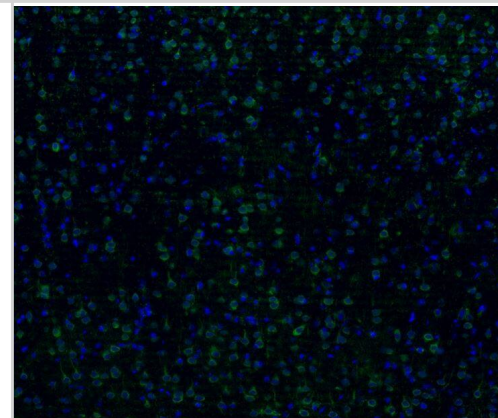
Immunohistochemistry-Paraffin: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Rat hippocampus tissue with Rabbit anti-ADAM17 antibody at 1/500 dilution. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



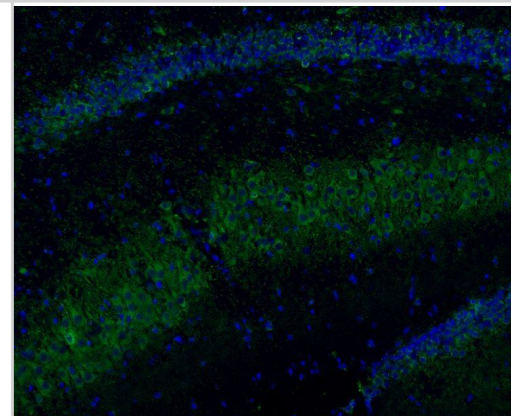
Immunohistochemistry-Paraffin: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Mouse hippocampus tissue with Rabbit anti-ADAM17 antibody at 1/500 dilution. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



IHC-Frozen: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Analysis of frozen mouse cerebral cortex tissue labeling ADAM17 with Rabbit anti-ADAM17 antibody. The tissues were blocked in 3% BSA for 30 minutes at room temperature, washed with PBS, and then probed with the primary antibody (green) at 1/100 dilution overnight at 4°C, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/200 dilution. Nuclei were counterstained with DAPI (blue). Image acquisition was performed with KFBIO KF-FL-400 Scanner.



IHC-Frozen: TACE/ADAM17 Antibody (JM10-35) [NBP2-67179] - Analysis of frozen mouse hippocampus tissue labeling ADAM17 with Rabbit anti-ADAM17 antibody. The tissues were blocked in 3% BSA for 30 minutes at room temperature, washed with PBS, and then probed with the primary antibody (green) at 1/100 dilution overnight at 4°C, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/200 dilution. Nuclei were counterstained with DAPI (blue). Image acquisition was performed with KFBIO KF-FL-400 Scanner.



Publications

W Xiao, A Pinilla-Ba, J Faulkner, X Song, P Prabhakar, H Qiu, KW Moremen, A Ludwig, PJ Dempsey, P Azadi, L Wang Robo4 is constitutively shed by ADAMs from endothelial cells and the shed Robo4 functions to inhibit Slit3-induced angiogenesis Scientific Reports, 2022-03-14;12(1):4352. 2022-03-14 [PMID: 35288626] (Western Blot, Human)

Aung A, Cui A, Maiorino L et al. Low protease activity in B cell follicles promotes retention of intact antigens after immunization Science (New York, N.Y.) 2023-01-27 [PMID: 36701450] (IHC-Fr, Mouse)

Fang L, Zhou L, Tamm M, Roth M OM-85 Broncho-Vaxom, a Bacterial Lysate, Reduces SARS-CoV-2 Binding Proteins on Human Bronchial Epithelial Cells Biomedicines 2021-10-26 [PMID: 34829773] (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 NBP2-67179

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-77044PEP	TACE/ADAM17 Antibody Blocking Peptide

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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