

Product Datasheet

TMEM26 Antibody - BSA Free

NBP2-27334

Unit Size: 0.1 mg

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

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Publications: 11

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NBP2-27334

TMEM26 Antibody - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

Product Description

Description	Novus Biologicals Rabbit TMEM26 Antibody - BSA Free (NBP2-27334) is a polyclonal antibody validated for use in IHC, WB, Flow and Simple Western. Anti-TMEM26 Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	219623
Gene Symbol	TMEM26
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28844880).
Immunogen	A portion of amino acids 300-350 of human Tmem26 was used as the immunogen.

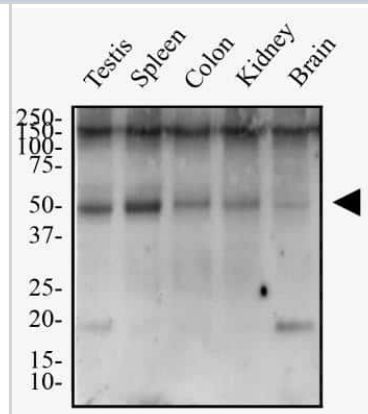
Product Application Details

Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1 - 2 ug/mL, Simple Western 1:10, Flow Cytometry, Immunohistochemistry reported in scientific literature (PMID 30089732), Immunohistochemistry-Paraffin reported in scientific literature (PMID 28250021)
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in Human Brain lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:10, apparent MW was 27 kDa.



Images

Western Blot: TMEM26 Antibody [NBP2-27334] - Total protein from Human Testis, Spleen, Colon, Kidney and Brain was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/mL anti-TMEM26 in 1% milk, and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.



Simple Western: TMEM26 Antibody [NBP2-27334] - Image shows a specific band for TMEM26 in 0.5 mg/mL of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Said Lhamyani, Adriana-Mariel Gentile, María Mengual-Mesa, Elia Grueso, Rosa M Giráldez-Pérez, José Carlos Fernandez-Garcia, Antonio Vega-Rioja, Mercedes Clemente-Postigo, John R Pearson, Isabel González-Mariscal, Gabriel Oliveira, Francisco-Javier Bermudez-Silva, Rajaa El Bekay Au 16-pH-16/miR-21 mimic nanosystem: An efficient treatment for obesity through browning and thermogenesis induction. *Biomedicine & pharmacotherapy* = *Biomedecine & pharmacotherapie* 2024-01-09 [PMID: 38198956]

Cheong LY, Wang B, Wang Q et al. Fibroblastic reticular cells in lymph node potentiate white adipose tissue beiging through neuro-immune crosstalk in male mice *Nature communications* 2023-03-03 [PMID: 36869026] (Flow Cytometry, Mouse)

Lhamyani S, Gentile A, GirAldez-PErez R et al. miR-21 mimic blocks obesity in mice: a novel therapeutic option *Mol Ther Nucleic Acids* 2021-09-23 [PMID: 34552821]

Finlin BS, Memetimin H, Zhu B et al. Pioglitazone does not synergize with mirabegron to increase beige fat or further improve glucose metabolism *JCI insight* 2021-02-11 [PMID: 33571166] (IF/IHC, Human)

Jimenez T, Friedman T, Vadgama J et al. Nicotine Synergizes with High-Fat Diet to Induce an Anti-Inflammatory Microenvironment to Promote Breast Tumor Growth Mediators of Inflammation 2020-12-13 [PMID: 33414685] (WB, Mouse)

Kim S, Park JW, Lee MG et al. Reversine promotes browning of white adipocytes by suppressing miR-133a *J. Cell. Physiol.* 2018-08-21 [PMID: 30132867] (WB, Mouse)

Finlin BS, Memetimin H, Confides AL et al. Human adipose beiging in response to cold and mirabegron. *JCI Insight* 2018-08-09 [PMID: 30089732] (IF/IHC, Human)

Details:

This citation used the Alexa Fluor 488 version of this antibody.

Finlin BS, Zhu B, Confides AL et al. Mast Cells Promote Seasonal White Adipose Beiging in Humans. *Diabetes* 2017-05-01 [PMID: 28250021] (IHC-P, Human)

Huang Z, Zhong L, Lee JTH et al. The FGF21-CCL11 Axis Mediates Beiging of White Adipose Tissues by Coupling Sympathetic Nervous System to Type 2 Immunity Cell *Metab.* 2017-08-23 [PMID: 28844880] (FLOW, Mouse)

Liu PS, Lin YW, Lee B et al. Reducing RIP140 expression in macrophage alters ATM infiltration, facilitates white adipose tissue browning and prevents high fat diet-induced insulin resistance. *Diabetes.* 2014-06-26 [PMID: 24969109] (IHC-P, Mouse)

Details:

Figs S2-S4: White adipose tissue. TMEM26 was used as a marker of beige fat.

Wu J, Boström P, Sparks LM et al. Beige adipocytes are a distinct type of thermogenic fat cell in mouse and human. *Cell.* 2012-07-20 [PMID: 22796012]





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Products Related to NBP2-27334

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
352-MS-010	MSP/MST1 [Unconjugated]

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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