Product Datasheet

STING/TMEM173 Antibody (2922D) - BSA Free
NBP3-18816

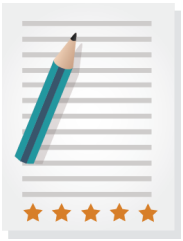
Unit Size: 0.1 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-18816

Updated 2/24/2026 v.20.1



NBP3-18816

STING/TMEM173 Antibody (2922D) - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	2922D
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS

Product Description

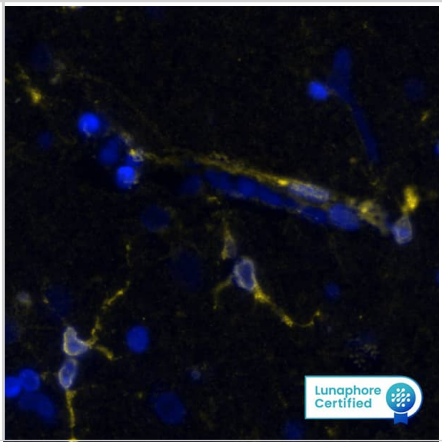
Description	Novus Biologicals Knockout (KO) Validated Rabbit STING/TMEM173 Antibody (2922D) - BSA Free (NBP3-18816) is a recombinant monoclonal antibody validated for use in Multiplex Immunofluorescence, IHC, WB, ICC/IF, Simple Western and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	340061
Gene Symbol	STING1
Species	Human, Mouse, Rat
Immunogen	Partial recombinant protein made to amino acids 215-379 of human TMEM173/STING (UniProt Q86WV6).

Product Application Details

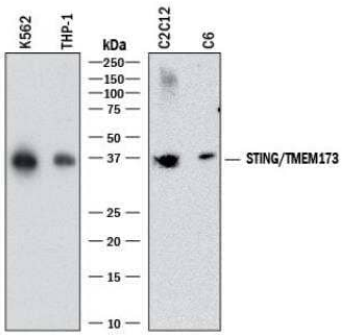
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockout Validated, Multiplex Immunofluorescence
Recommended Dilutions	Western Blot 1 - 2 ug/ml, Simple Western, Immunohistochemistry 0.5 ug/ml, Immunocytochemistry/ Immunofluorescence 3 ug/ml, Immunoprecipitation Validated for Immunoprecipitation from YCharOS Inc. (ycharos.com), Knockout Validated Validated for Knockout from YCharOS Inc. (ycharos.com), Multiplex Immunofluorescence 10 ug/mL

Images

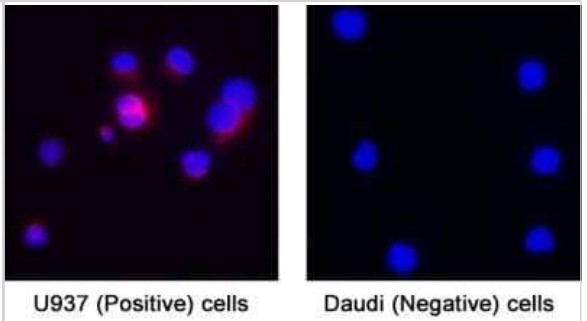
STING/TMEM173 was detected in immersion fixed paraffin-embedded sections of human brain Cortex (Cerebrum) using Rabbit Anti-Human STING/TMEM173, Monoclonal Antibody (Catalog #NBP3-18816) at 10ug/mL at 37 ° Celsius for 4 minutes. Before incubation with the primary antibody, tissue underwent an all-in-one dewaxing and antigen retrieval preprocessing using PreTreatment Module (PT Module) and Dewax and HIER Buffer H (pH 9; Epredia Catalog # TA-999-DHBH). Tissue was stained using the Alexa Fluor™ Plus 647 Goat anti-Rabbit IgG Secondary Antibody at 1:200 at 37 ° Celsius for 2 minutes. (Yellow; Lunaphore Catalog # DR647RB) and counterstained with DAPI (blue; Lunaphore Catalog # DR100). Specific staining was localized to the membrane. Protocol available in COMET™ Panel Builder. The image is attached.



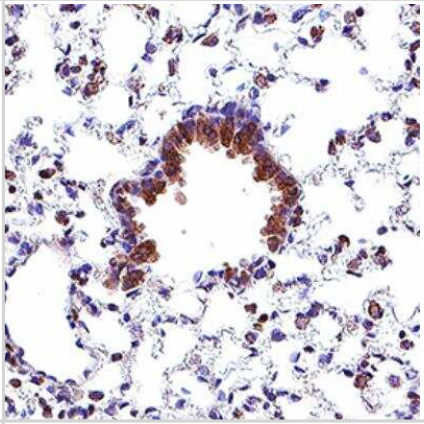
Western Blot: STING/TMEM173 Antibody (2922D) [NBP3-18816] - Western blot shows cell lysates K562, THP-1, C2C12, and C6. Membrane was probed with 1 ug/mL of (Catalog # NBP3-18816) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for STING/TMEM173 at approximately 42 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1. Internally validated Western blot.



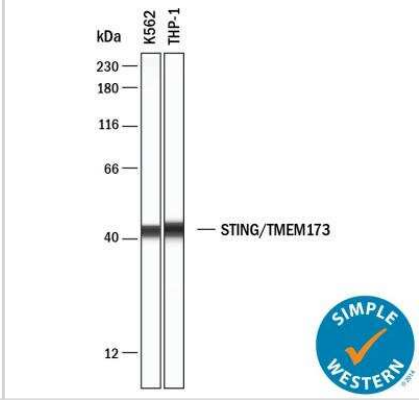
Immunocytochemistry/Immunofluorescence: STING/TMEM173 Antibody (2292D) [NBP3-18816] - STING/TMEM173 was detected in immersion fixed U937 human myeloid leukaemia cell line but is not detected in Daudi cell line using Rabbit Anti-Human STING/TMEM173 Monoclonal Antibody (Catalog # NBP3-18816) at 1 ug/mL for 3 hours at room temperature. Cells were stained using the NorthernLights(TM) 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue).

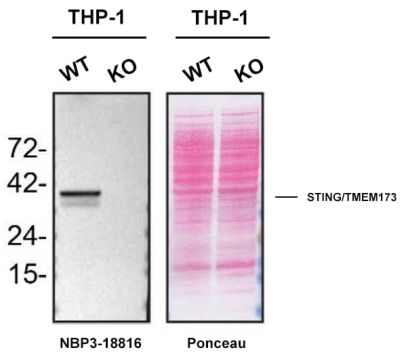
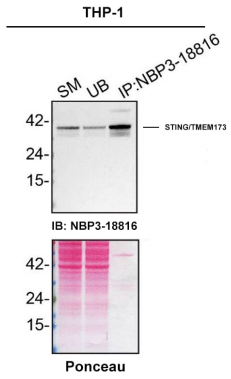
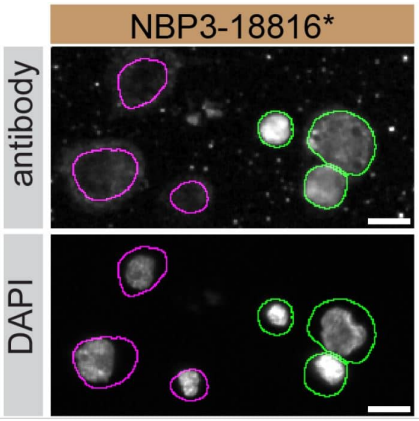


Immunohistochemistry: STING/TMEM173 Antibody (2292D) [NBP3-18816] - STING/TMEM173 was detected in immersion fixed paraffin-embedded sections of mouse lung tissue using Rabbit Anti-Human STING/TMEM173 Monoclonal Antibody at 0.5 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Rabbit IgG VisUCyte™ HRP Polymer Antibody. Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to pneumocytes and alveolar cells. Staining with VisUCyte HRP Polymer Detection Reagents.



Simple Western: STING/TMEM173 Antibody (2922D) [NBP3-18816] - Simple Western Lane view shows K562 and THP-1 whole cell lysate (WCL). A specific band was detected for hSTING/TMEM173 antibody (NBP3-18816) at approximately 44 kDa (as indicated) using 10 ug/mL of hSTING/TMEM173 antibody. This experiment was conducted under reducing conditions.



Western blot shows lysates of THP-1 cell line and STING/TMEM173 knockout THP-1 cell line (KO). Nitrocellulose membrane was probed with STING/TMEM173 Antibody (Catalog # NBP3-18816) followed by HRP-conjugated secondary antibody. A specific band was detected for STING/TMEM173 at approximately 41 kDa (as indicated) in the parental THP-1 cell line, but is not detectable in knockout THP-1 cell line. Primary antibody dilution used: 1/1000. The Ponceau stained transfer of the blot is shown. This experiment was conducted under reducing conditions. Image, protocol, and testing courtesy of YCharOS Inc. See ycharos.com for additional details.	
PMA-treated THP-1 lysates were prepared and immunoprecipitation was performed using 2.0 µg of STING/TMEM173 Antibody (Catalog # NBP3-18816) pre-coupled to Dynabeads protein A. Immunoprecipitated STING/TMEM173 was detected with NBP3-18816. For western blot, NBP3-18816 was used at 1/1000. The Ponceau stained transfer of the blot is shown. SM=4% starting material; UB=4% unbound fraction; IP=immunoprecipitate; HC=antibody heavy chain. Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).	
PMA-treated THP-1 WT and STING/TMEM173 KO cells were labelled with a green or a far-red fluorescent dye, respectively. Cells were stained with STING/TMEM173 Antibody (Catalog # NBP3-18816) and with an Alexa-fluor 555 coupled secondary antibody including DAPI. Acquisition of the blue (nucleus-DAPI), green (identification of WT cells), red (antibody staining) and far-red (identification of KO cells) channels was performed. Representative images of the blue and red (grayscale) channels are shown. WT and KO cells are outlined with green and magenta dashed line, respectively. Primary antibody dilution used: 1/1000. Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).	

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 NBP3-18816

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
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP3-18816

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications