Product Datasheet

TRAF-2 Antibody (33A1293) - BSA Free
NB100-56715

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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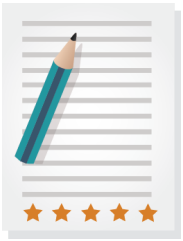
Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56715

Updated 9/9/2025 v.20.1



NB100-56715

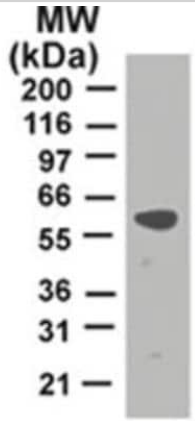
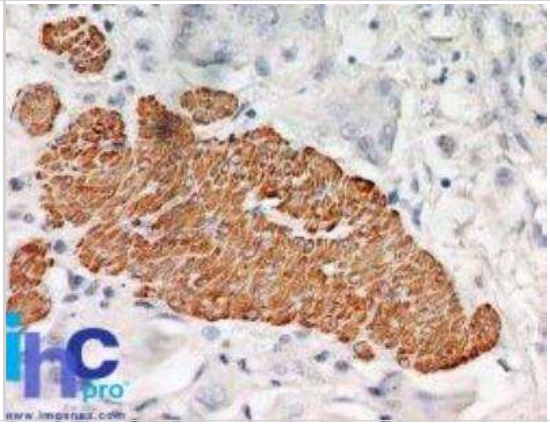
TRAF-2 Antibody (33A1293) - BSA Free

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	Monoclonal
Clone	33A1293
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse TRAF-2 Antibody (33A1293) - BSA Free (NB100-56715) is a monoclonal antibody validated for use in IHC and WB. Anti-TRAF-2 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7186
Gene Symbol	TRAF2
Species	Human
Immunogen	Anti-TRAF2 monoclonal antibody was raised against a fusion protein corresponding to amino acids 205 to 222 of human TRAF2.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 2 ug/ml, Immunohistochemistry 2:20-2:1000, Immunohistochemistry-Paraffin 1:10-1:500. Use reported in scientific literature (Galen et al (2008))
Application Notes	In HeLa, an approx. 57 kDa band is observed.

Images

Western Blot: TRAF-2 Antibody (33A1293) [NB100-56715] - Analysis of TRAF2 in HeLa lysate using TRAF2 antibody at 2 ug/ml.	
Immunohistochemistry-Paraffin: TRAF-2 Antibody (33A1293) [NB100-56715] - Human transitional cell carcinoma of the urinary bladder stained with TRAF2 antibody at 5 ug/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.	

Publications

Wu G, Xu Y, Schultz RD et al. LILRB3 supports acute myeloid leukemia development and regulates T-cell antitumor immune responses through the TRAF2-cFLIP-NF-?B signaling axis Nature Cancer 2021-11-11 [PMID: 35122056]

Sikorski K, Mehta A et al. A high-throughput pipeline for validation of antibodies. Nat Methods 2018-01-11 [PMID: 30377371] (Human)

Details:
Antibody validation based on denaturing gel electrophoresis of biotinylated cell lysates (PAGE) followed by mass spectrometry (MS) and antibody array analysis (MAP).

Shanmugam R, Kusumanchi P, Cheng L et al. A water-soluble parthenolide analogue suppresses in vivo prostate cancer growth by targeting NFkappaB and generating reactive oxygen species. Prostate. 2010-07-01 [PMID: 20209491] (WB)

Details:
TRAF2 (IMG-162). WB: Androgen independent prostate cancer (CWR22Rv1) cell line, Fig 5.

Hawari FI, Rouhani FN, Cui X et al. Release of full-length 55-kDa TNF receptor 1 in exosome-like vesicles: a mechanism for generation of soluble cytokine receptors. Proc Natl Acad Sci U S A. 2004-02-03 [PMID: 14745008]

van Galen JC, Muris JJ, Giroth CP et al. Expression of TNF-receptor associated factor 2 correlates with poor progression-free survival time in ABC-like primary nodal diffuse large B-cell lymphomas. Histopathology. 2008-04-01 [PMID: 18312353] (IHC-P)

Details:
TRAF2 (IMG-162). IHC (paraffin): Human non-neoplastic lymphoid tissue from patients wtih activated B cell (ABC) like diffuse large B-cell lymphoma (DLBCL), Fig 1. Note: The TRF2 antibody was used at a 1:200 dilution, Fig 1.

Procedures

Immunohistochemistry-Paraffin Protocol for TRAF-2 Antibody (NB100-56715)
Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:
Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes (keep slides in the sodium citrate buffer at all times).

Staining:
1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in PBS for 5 minutes.
3. Block each section with 100-400 ul blocking solution (1% BSA in PBS) for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul HRP polymer conjugated secondary antibody. Incubate 30 minutes at room temperature.
7. Wash sections three times in wash buffer for 5 minutes each.
8. Add 100-400 ul DAB substrate to each section and monitor staining closely.
9. As soon as the sections develop, immerse slides in deionized water.
10. Counterstain sections in hematoxylin.
11. Wash sections in deionized water two times for 5 minutes each.
12. Dehydrate sections.
13. Mount coverslips.

Western Blot Protocol for TRAF-2 Antibody (NB100-56715)
Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 10-25 ug of total protein per lane.
2. Transfer proteins to PVDF membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain the membrane with Ponceau S (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot TBS -0.05% Tween 20 (TBST).
5. Block the membrane in 5% Non-fat milk in TBST (blocking buffer) for at least 1 hour.
6. Wash the membrane in TBST three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate overnight at 4C with gentle rocking.
8. Wash the membrane in TBST three times for 10 minutes each.
9. Incubate the membrane in diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) for 1 hour at room temperature.
10. Wash the blot in TBST three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturer's instructions.

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Products Related to NB100-56715

NB800-PC1	HeLa Whole Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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