

# Product Datasheet

## TRAF-2 Antibody - BSA Free

### NB100-56173SS

Unit Size: 0.025 ml

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

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#### Publications: 4

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**NB100-56173SS**

TRAF-2 Antibody - BSA Free

Product Information	
Unit Size	0.025 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
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	Unpurified
Buffer	Whole antisera

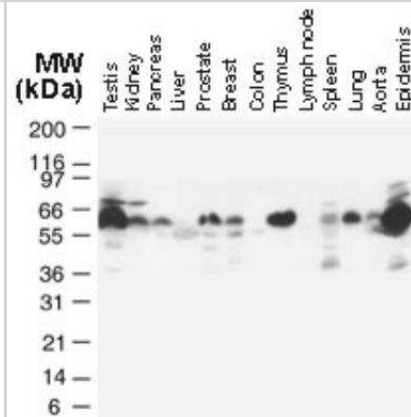
Product Description	
Description	Novus Biologicals Rabbit TRAF-2 Antibody - BSA Free (NB100-56173) is a polyclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-TRAF-2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7186
Gene Symbol	TRAF2
Species	Human
Specificity/Sensitivity	The gene encoding TRAF2 produces, by alternative splicing, 15 different transcripts, all with introns, putatively encoding 15 different protein isoforms. These isoforms are of varying amino acid lengths. Therefore the molecular weight observed by western blot may vary, depending on the isoform expressed. Users are encouraged to use the peptide immunogen sequence information provided in the antigen section to gain additional information about the potential TRAF2 isoforms detected by the antibody.
Immunogen	A synthetic peptide corresponding to amino acids 6-31 (VTPPGSLELLQPGFSKTLGKLEAK) of human TRAF2 was used as immunogen, GenBank no. NP_066961.2. This peptide sequence is 92% conserved in mouse and rat TRAF2. The peptide immunogen sequence is 100% conserved in multiple human TRAF2 GenBank accession numbers. These TRAF2 accession numbers are of varying amino acid (aa) lengths and include: 1) NP_066961.2 = 501 aa. 2) CAI12705.1 = 121 aa. 3) CAI12704.1 = 422 aa. 4) CAI15104.1 = 193 aa. 5) BAD96681.1 = 205 aa.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Flow Cytometry, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000

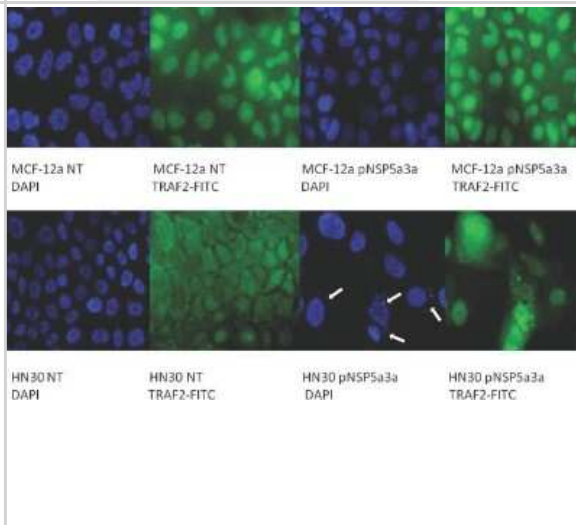


## Images

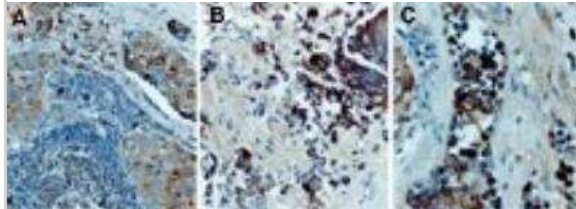
Western Blot: TRAF-2 Antibody [NB100-56173] - Analysis of TRAF-2 in normal human tissues using this antibody. TRAF-2 is observed at ~60-64 kDa. Additional bands of lower molecular weight were seen in some cases, and may represent TRAF-2 degradation fragments.



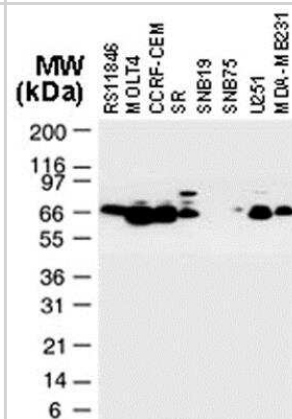
Immunocytochemistry/Immunofluorescence: TRAF-2 Antibody [NB100-56173] - Immunostaining of HN30 and MCF-12a cells for TRAF2 3 days post-transfection. MCF-12a NT (DAPI): non-treated MCF-12a DAPI stained, MCF-12a NT (TRAF2-FITC): non-treated MCF-12a FITC stained for TRAF2, MCF-12a pNSP 5a3a (DAPI): MCF-12a transfected with pcDNA 3.0 NSP 5a3a DAPI stained, MCF-12a pNSP 5a3a (TRAF2-FITC): MCF-12a transfected with pcDNA 3.0 NSP 5a3a FITC stained for TRAF-2, HN30 NT (DAPI): non-treated HN30 DAPI stained, HN30 NT (TRAF2-FITC): non-treated HN30 FITC stained for TRAF2, HN30 pNSP 5a3a (DAPI): HN30 transfected with pcDNA 3.0 NSP 5a3a DAPI stained, HN30 pNSP 5a3a (TRAF2-FITC): HN30 transfected with pcDNA 3.0 NSP 5a3a FITC stained for TRAF2. White arrows indicate apoptotic bodies. Image collected and cropped by Citeab from the following publication (A novel dual signaling axis for NSP 5a3a induced apoptosis in head and neck carcinoma. Oncotarget (2011) licensed under a CC-BY license.



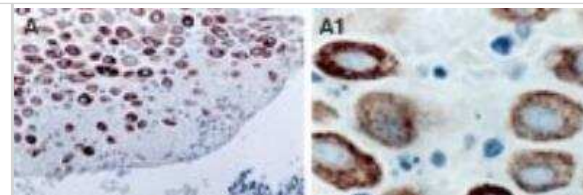
Immunohistochemistry-Paraffin: TRAF-2 Antibody [NB100-56173] - Formalin-fixed, paraffin-embedded human colon carcinoma tissue sections stained for TRAF2 using this antibody at 1:2000. Hematoxylin-eosin counterstain.



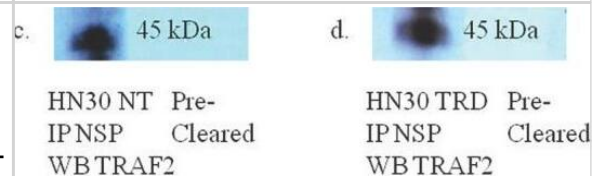
Western Blot: TRAF-2 Antibody [NB100-56173] - Detection of TRAF-2 protein in various tumor cell lines using this antibody at 1:2000 dilution.



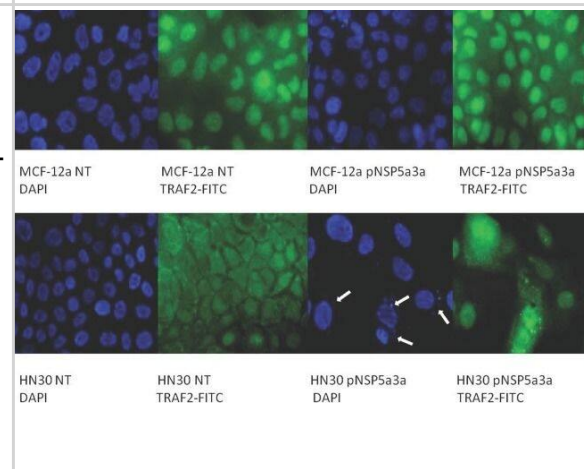
Immunohistochemistry: TRAF-2 Antibody [NB100-56173] - Formalin-fixed, paraffin-embedded human melanoma tissue section stained for TRAF2 at 1:2000. A1 is a higher magnification of A. Hematoxylin-eosin counterstain.



Western Blot: TRAF-2 Antibody [NB100-56173] - Western blot analysis of co-immunoprecipitations of asynchronous HN30 non-treated & HN30 cells transfected with pcDNA 3.0 NSP 5a3a & pcDNA 3.1/CT-GFP for 3 days. NT: non-treated HN30 cells, TRD: HN30 cells over-expressing NSP 5a3a. a. Immunoprecipitation of non-treated HN30 cells using rabbit anti-NSP 5a3a & western blot analysis using rabbit anti-DAXX., b. Immunoprecipitation of HN30 treated cells using rabbit anti-NSP 5a3a & western blot analysis using rabbit anti-DAXX., c. Immunoprecipitation of non-treated HN30 cells using rabbit anti-NSP 5a3a & western blot analysis using rabbit anti-TRAF2., d. Immunoprecipitation of HN30 treated cells using rabbit anti-NSP 5a3a & western blot analysis using rabbit anti-TRAF2., e. Immunoprecipitation of non-treated HN30 cells using rabbit anti-TRAF2/DAXX & western blot analysis using rabbit anti-NSP 5a3a, & f. Immunoprecipitation of HN30 treated cells using rabbit anti-TRAF2/DAXX & western blot analysis using rabbit anti-NSP 5a3a. Image collected & cropped by CiteAb from the following publication (<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.306>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunostaining of HN30 and MCF-12a cells for TRAF2 3 days post-transfection. MCF-12a NT (DAPI): non-treated MCF-12a DAPI stained, MCF-12a NT (TRAF2-FITC): non-treated MCF-12a FITC stained for TRAF2, MCF-12a pNSP 5a3a (DAPI): MCF-12a transfected with pcDNA 3.0 NSP 5a3a DAPI stained, MCF-12a pNSP 5a3a (TRAF2-FITC): MCF-12a transfected with pcDNA 3.0 NSP 5a3a FITC stained for Traf-2, HN30 NT (DAPI): non-treated HN30 DAPI stained, HN30 NT (TRAF2-FITC): non-treated HN30 FITC stained for TRAF2, HN30 pNSP 5a3a (DAPI): HN30 transfected with pcDNA 3.0 NSP 5a3a DAPI stained, HN30 pNSP 5a3a (TRAF2-FITC): HN30 transfected with pcDNA 3.0 NSP 5a3a FITC stained for TRAF2. White arrows indicate apoptotic bodies. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/22170762>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Yunhan Zhao, Outi Mäkitie, Salla Laakso, Vera Fedosova, Lars Sävendahl, Farasat Zaman A novel link between chronic inflammation and humanin regulation in children *Frontiers in Endocrinology* 2024-01-23 [PMID: 38322155]

Zapata JM, Krajewska M, Krajewski S et al. TNFR-associated factor family protein expression in normal tissues and lymphoid malignancies. *J Immunol.* 2000-11-01 [PMID: 11046039] (IHC-P, WB)

Details:

WB: Figs 1, 2, 4, 5; IHC-paraffin: Fig 3.

Döppler H, Liou GY, Storz P. Downregulation of TRAF2 mediates NIK-induced pancreatic cancer cell proliferation and tumorigenicity. *PLoS One.* 2013-01-01 [PMID: 23301098] (WB)

Details:

IMGGENEX product cited: IMG-5760 TRAF2. WB: pancreatic cell lines and TRAF2-transfected HEK293 cells (multiple figures). IP/WB: TRAF2 was IP'd with a different TRAF2 antibody and then western blotted with IMG-5760 (Fig S1). IHC (P): Pancreatic ductal adeno

D'Agostino L, Giordano A. A novel dual signaling axis for NSP 5a3a induced apoptosis in head and neck carcinoma *Oncotarget* 2011-12-01 [PMID: 22170762] (WB, IP, ICC/IF, Human)





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### **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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