

Product Datasheet

TRAILR1/TNFRSF10A Antibody (32A1380) - Azide and BSA Free **NBP2-27350**

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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NBP2-27350

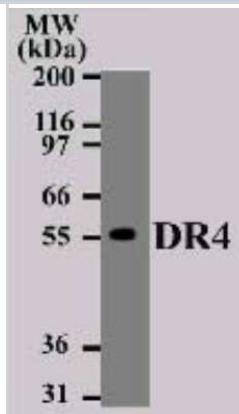
TRAILR1/TNFRSF10A Antibody (32A1380) - Azide and BSA Free

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	32A1380
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse TRAILR1/TNFRSF10A Antibody (32A1380) - Azide and BSA Free (NB100-56747) is a monoclonal antibody validated for use in WB, Flow and Simple Western. Anti-TRAILR1/TNFRSF10A Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	8797
Gene Symbol	TNFRSF10A
Species	Human
Immunogen	This monoclonal antibody was raised against a peptide corresponding to amino acid 2 to 21 of human DR4.
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Block/Neutralize, CyTOF-ready
Recommended Dilutions	Western Blot 2 - 4 ug/mL, Simple Western, Flow Cytometry 1 uL/1 million cells, Flow (Cell Surface) reported in scientific literature (PMID 18004565), Flow (Intracellular) reported in scientific literature (PMID 17541421), CyTOF-ready, Block/Neutralize
Application Notes	A 57 kDa band should be observed. This antibody is routinely tested by western blot analysis. For other applications, please refer to appropriate published references for more information. See Simple Western Antibody Database for Simple Western validation



Images

Western Blot: TRAILR1/TNFRSF10A Antibody (32A1380) - Azide Free [NBP2-27350] - TRAIL R1/TNFRSF10A Antibody (32A1380) - Azide Free [NBP2-27350] - Analysis of NBP2-27350 in Daudi cell lysate using DR4 antibody at 2 ug/mL. Goat anti-mouse Ig HRP secondary antibody and PicoTest ECL substrate solution were used for this test.



Simple Western: TRAILR1/TNFRSF10A Antibody (32A1380) - Azide Free [NBP2-27350] - TRAIL R1/TNFRSF10A Antibody (32A1380) - Azide Free [NBP2-27350] - Simple Western lane view shows a specific band for TRAIL R1 in 0.5 mg/mL of Daudi lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. * Non-specific interaction with the 230 kDa Simple Western standard may be seen with this antibody



Publications

Tsurushima H, Yuan X, Dillehay LE et al. Radioresponsive tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) gene therapy for malignant brain tumors. *Cancer Gene Ther.* 2007-08-01 [PMID: 17541421] (Flow Cytometry Control, Human)

Details:

DR4 NT TRAIL-R1 (IMG-141A). Flow (intracellular): Human malignant glioma (U251 & U87) cell lines exposed to varying times of radiation, Fig 4.

Liu X, Yue P, Khuri FR, Sun SY. p53 upregulates death receptor 4 expression through an intronic p53 binding site. *Cancer Res.* 2004-08-01 [PMID: 15289308]

Le Poole IC, ElMasri WM, Denman CJ et al. Langerhans cells and dendritic cells are cytotoxic towards HPV16 E6 and E7 expressing target cells. *Cancer Immunol Immunother.* 2008-06-01 [PMID: 18004565] (Flow - CS, Human)

Details:

Flow (cell surface), human dendritic cells and langerhans cells, Fig. 4A.

Bretz JD, Mezosi E, Giordano TJ et al. Inflammatory cytokine regulation of TRAIL-mediated apoptosis in thyroid epithelial cells. *Cell Death Differ.* 2002-03-01 [PMID: 11859410]

Guan B, Yue P, Lotan R, Sun SY. Evidence that the human death receptor 4 is regulated by activator protein 1. *Oncogene.* 2002-05-09 [PMID: 12082627]

Chen X, Kandasamy K, Srivastava RK. Differential roles of RelA (p65) and c-Rel subunits of nuclear factor kappa B in tumor necrosis factor-related apoptosis-inducing ligand signaling. *Cancer Res.* 2003-03-01 [PMID: 12615723]

Ren YG, Wagner KW, Knee DA et al. Differential regulation of the TRAIL death receptors DR4 and DR5 by the signal recognition particle. *Mol Biol Cell.* 2004-11-01 [PMID: 15356269]

Park S, Cho DH, Andera L et al. Curcumin enhances TRAIL-induced apoptosis of breast cancer cells by regulating apoptosis-related proteins. *Mol Cell Biochem* 2013-11-01 [PMID: 23846485]

Lin YD, Chen S, Yue P et al. CAAT/enhancer binding protein homologous protein-dependent death receptor 5 induction is a major component of SHetA2-induced apoptosis in lung cancer cells. *Cancer Res.* 2008-07-01 [PMID: 18593935]

Details:

Antibodies cited: [WB (human non-small cell lung cancer cell lines)]: 1. Anti-caspase-3 (IMG-144A): Figs. 1A,B; 5A. 2. DR4 (NT) TRAIL-R1 (IMG-141A): Figs. 3A.

Jane EP, Premkumar DR, Pollack IF. Bortezomib sensitizes malignant human glioma cells to TRAIL, mediated by inhibition of the NF- κ B signaling pathway. *Mol Cancer Ther.* 2011-01-01 [PMID: 21220502]

Details:

DR4 (IMG-141A) and DR5/TRAILR2 (IMG-120A). WB: Various human glioma cell lines treated with TRAIL: LN18, U87, LN2308, and U373, Fig 2B & 2C.

Kroll TM, Bommasamy H, Boissy RE et al. 4-Tertiary butyl phenol exposure sensitizes human melanocytes to dendritic cell-mediated killing: relevance to vitiligo. *J Invest Dermatol.* 2005-04-01 [PMID: 15816839] (FLOW)



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

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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NBP2-27350APC	TRAILR1/TNFRSF10A Antibody (32A1380) [Allophycocyanin]

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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