Product Datasheet

TRAILR1/TNFRSF10A Antibody (32A242) - BSA Free
NB100-56528SS

Unit Size: 0.025 mg

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

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Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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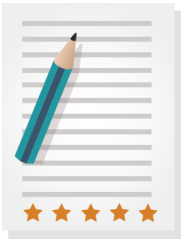
Updated 9/9/2025 v.20.1



NB100-56528SS

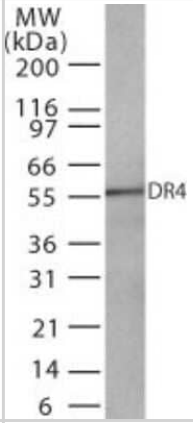
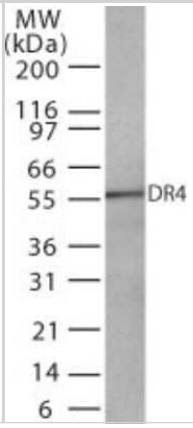
TRAILR1/TNFRSF10A Antibody (32A242) - BSA Free

Product Information	
Unit Size	0.025 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	32A242
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse TRAILR1/TNFRSF10A Antibody (32A242) - BSA Free (NB100-56528) is a monoclonal antibody validated for use in WB and ICC/IF. Anti-TRAILR1/TNFRSF10A Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	8797
Gene Symbol	TNFRSF10A
Species	Human, Mouse, Rat
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, Immunoblotting, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1 - 3 ug/ml, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 23988408), Immunoblotting reported in scientific literature (PMID 31534206)
Application Notes	In HeLa, a 57 kDa band should be observed.

Images

Western Blot: TRAIL R1/TNFRSF10A Antibody (32A242) [NB100-56528] - Analysis using Azide/BSA FREE version of NB100-56528. Analysis of 20 ug of total cell lysate from HeLa cells with DR4 antibody at 2 ug/ml. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.	
Western Blot: TRAIL R1/TNFRSF10A Antibody (32A242) [NB100-56528] - Analysis of 20 ug of total cell lysate from HeLa cells with DR4 antibody at 2 ug/ml. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.	

Publications

Lee SR, Quan KT, Byun HS et al. Accelerated degradation of cFLIPL and sensitization of the TRAIL DISC-mediated apoptotic cascade by pinoresinol, a lignan isolated from Rubia philippinensis Sci Rep 2019-09-18 [PMID: 31534206] (IB, Human)

Wen Q, Wang W, Luo J et al. CGP57380 enhances efficacy of RAD001 in non-small cell lung cancer through abrogating mTOR inhibition-induced phosphorylation of eIF4E and activating mitochondrial apoptotic pathway. Oncotarget. 2016-03-30 [PMID: 27050281] (WB, Human)

Di X, Zhang G, Zhang Y et al. Accumulation of autophagosomes in breast cancer cells induces TRAIL resistance through downregulation of surface expression of death receptors 4 and 5. Oncotarget 2013-09-01 [PMID: 23988408] (ICC/IF)

Brooks AD, Jacobsen KM, Li W et al. Bortezomib sensitizes human renal cell carcinomas to TRAIL apoptosis through increased activation of caspase-8 in the death-inducing signaling complex. Mol Cancer Res. 2010-05-01 [PMID: 20442297]

Xu J, Zhou JY, Wu GS. Tumor necrosis factor-related apoptosis-inducing ligand is required for tumor necrosis factor alpha-mediated sensitization of human breast cancer cells to chemotherapy. Cancer Res. 2006-10-15 [PMID: 17047073]

Laguinge LM, Samara RN, Wang W et al. DR5 receptor mediates anoikis in human colorectal carcinoma cell lines. Cancer Res. 2008-02-01 [PMID: 18245494]

Details:
WB [human colerectal cancer (CRC) cells], Fig. 4A.

Cisternas P, Moreno RD. Comparative analysis of apoptotic pathways in rat, mouse, and hamster spermatozoa. Mol Reprod Dev. 2006-10-01 [PMID: 16868928] (WB)

Details:
DR4/TRAILR1 (NT) (IMG-275). WB: Mouse, rat, and hamster spermatozoa, Fig 3A. Note: The DR4/TRAIL1 antibody was detected in mouse and rat spermatozoa but not in hamster, Fig 3A.

Jin F, Liu X, Zhou Z et al. Activation of nuclear factor-kappaB contributes to induction of death receptors and apoptosis by the synthetic retinoid CD437 in DU145 human prostate cancer cells. Cancer Res. 2005-07-15 [PMID: 16024638] (WB)

Details:
IMGENEX antibodies cited for WB: 1. Caspase-3 mAb, clone 31A1067 (IMG-144A): Fig 3C, DU145 prostate adenocarcinoma cells. 2. DcR1 pAb (IMG-245-1/IMG-245-2): Fig 6C, DcR1 overexpressing DU145 cells. Note: The specificity of the DcR1 pAb was validated in Dc

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Limitations
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