Product Datasheet

TRAIL/TNFSF10 Antibody (55B709.3) - BSA Free
NB100-56518

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: 9

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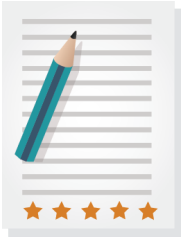
Updated 10/23/2024 v.20.1



NB100-56518

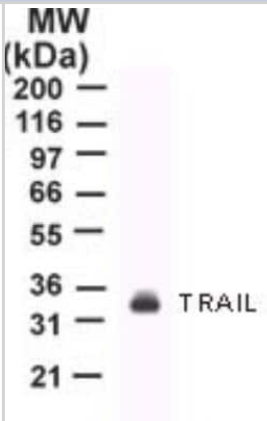
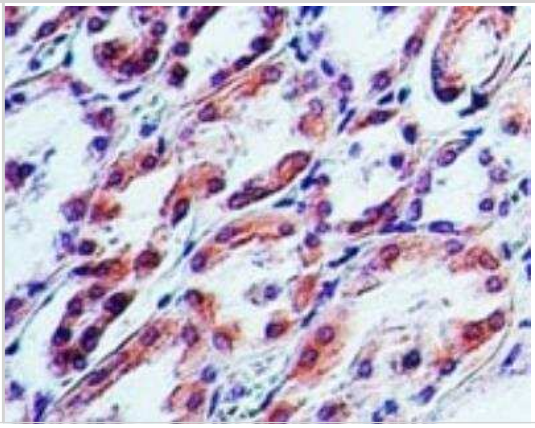
TRAIL/TNFSF10 Antibody (55B709.3) - BSA Free

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	55B709.3
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	8743
Gene Symbol	TNFSF10
Species	Human
Reactivity Notes	Predicted to react with Canine and Feline.
Immunogen	This monoclonal antibody was raised against a peptide corresponding to amino acids 17-35 of human TRAIL. This peptide sequence has been shown to be involved in TRAIL and DR5 (TRAIL-R2) interaction.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	In Jurkat, a 32 kDa band, which represents a membrane bound form of TRAIL, is observed.

Images

Western Blot: TRAIL/TNFSF10 Antibody (55B709.3) [NB100-56518] - Analysis of TRAIL in Jurkat lysate	
Immunohistochemistry-Paraffin: TRAIL/TNFSF10 Antibody (55B709.3) [NB100-56518] - Analysis of TRAIL in human kidney using TRAIL antibody at 5 ug/ml.	

Publications

Jung BK, An YH, Jang SH et al. The tumor suppressive effect and apoptotic mechanism of TRAIL gene-containing recombinant NDV in TRAIL-resistant colorectal cancer HT-29 cells and TRAIL-nonresistant HCT116 cells, with each cell bearing a mouse model Cancer medicine 2023-10-16 [PMID: 37843231] (WB)

Details:
Dilution 1:1000

Sullivan Gp, O'Connor H, Henry Cm Et Al. TRAIL Receptors Serve as Stress-Associated Molecular Patterns to Promote ER-Stress-Induced Inflammation Dev. Cell 2020-03-23 [PMID: 32109381] (KD, WB, Human)

Iurlaro R, Puschel F, Leon-Annicchiarico CL et al. Glucose deprivation induces ATF4-mediated apoptosis through TRAIL death receptors. Mol. Cell. Biol. 2017-02-27 [PMID: 28242652] (WB, Human)

Toriyama S, Horinaka M, Yasuda S et al. A histone deacetylase inhibitor OBP-801 and celecoxib synergistically inhibit the cell growth with apoptosis via a DR5-dependent pathway in bladder cancer cells Mol. Cancer Ther. 2016-07-12 [PMID: 27406983] (WB)

Leonardi R, Almeida LE, Rusu M et al. Tumor necrosis factor-related apoptosis-inducing ligand expression correlates to temporomandibular joint disk degeneration. J Craniofac Surg. 2011-03-01 [PMID: 21403533]

Huang SC, Tsai HF, Tzeng HT et al. Lipid raft assembly and Lck recruitment in TRAIL costimulation mediates NF-kB activation and T cell proliferation. J Immunol. 2011-01-15 [PMID: 21160038] (WB)

Details:
WB: Fig 6 (Jurkat).Note: The specificity of the antibody was validated with TRAIL siRNA in Jurkat by WB in Fig 6. TRAIL siRNA knocked down endogeneous TRAIL expression in Jurkat by approximately two thirds.

Lamas B, Goncalves-Mendes N, Nachat-Kappes R et al. Leptin modulates dose-dependently the metabolic and cytolytic activities of NK-92 cells. J Cell Physiol. 2013-06-01 [PMID: 23129404]

Muller DB, Raftery MJ, Kather A et al. Frontline: Induction of apoptosis and modulation of c-FLIPL and p53 in immature dendritic cells infected with herpes simplex virus. Eur J Immunol. 2004-04-01 [PMID: 15048704]

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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Products Related to NB100-56518

NB800-PC2	Jurkat Whole Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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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