Product Datasheet

TRAILR4/TNFRSF10D/DcR2 Antibody - BSA Free
NBP1-76985-0.025mg

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: 20

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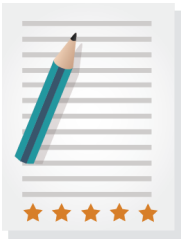
Updated 9/9/2025 v.20.1



NBP1-76985-0.025mg

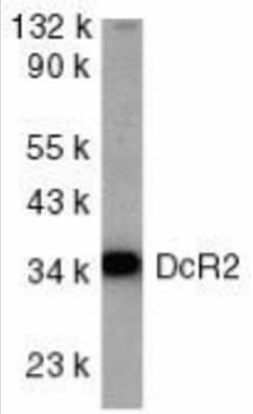
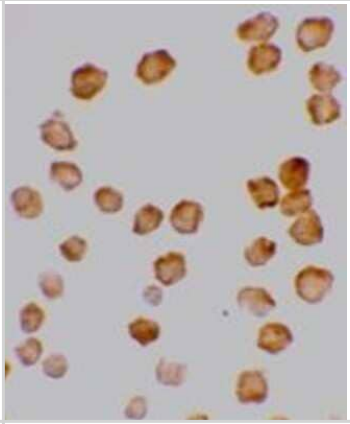
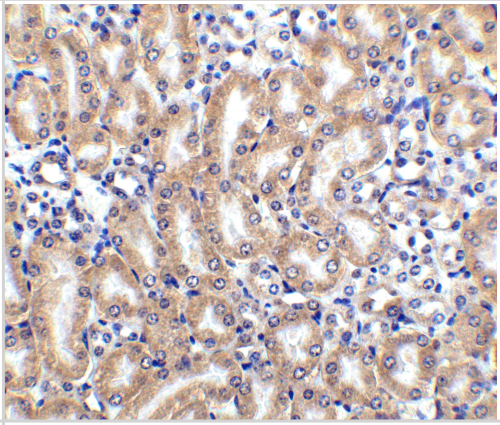
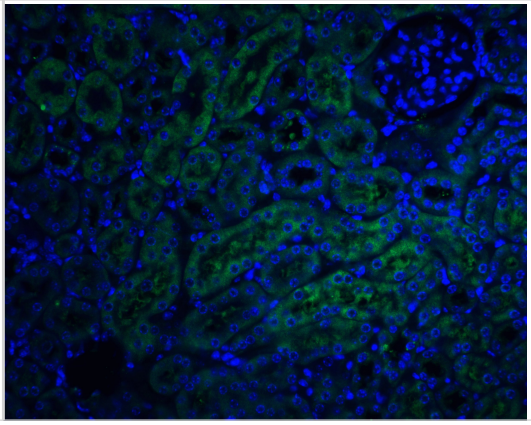
TRAILR4/TNFRSF10D/DcR2 Antibody - BSA Free

Product Information	
Unit Size	0.025 mg
Concentration	1 mg/ml
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	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	36 kDa

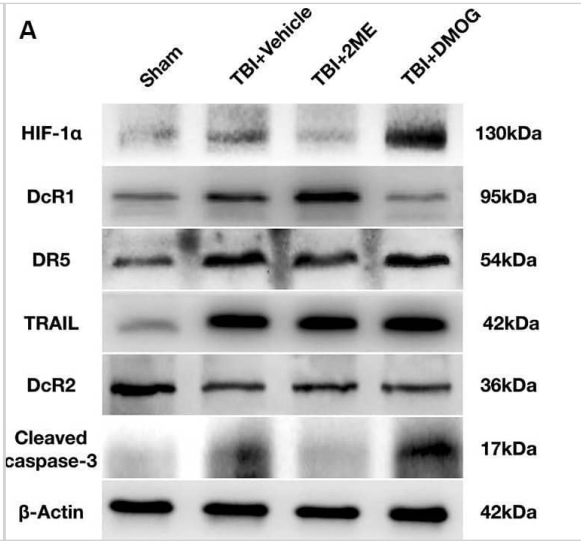
Product Description	
Description	Novus Biologicals Rabbit TRAILR4/TNFRSF10D/DcR2 Antibody - BSA Free (NBP1-76985) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-TRAILR4/TNFRSF10D/DcR2 Antibody: Cited in 20 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8793
Gene Symbol	TNFRSF10D
Species	Human, Mouse, Rat
Immunogen	Antibody was raised against a 15 amino acid peptide near the center of human DcR2. The immunogen is located within amino acids 230 - 280 of DcR2. Amino Acid Squence: GGPERVHRVLFRRRS

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 10 -20 ug/ml, Immunohistochemistry-Paraffin 2.5 ug/ml, Flow (Cell Surface)
Application Notes	Use in FLOW reported in scientific literature (PMID: 12795746). Use in Flow-cell surface reported in scientific literature (PMID: 12173037).

Images

Western Blot: TRAILR4/TNFRSF10D/DcR2 Antibody [NBP1-76985] - Analysis of 50 ug of whole cell lysate from HeLa cells with anti-DcR2 at 1:1000 dilution.	
Immunocytochemistry/Immunofluorescence: TRAILR4/TNFRSF10D/DcR2 Antibody [NBP1-76985] - Staining of HeLa cells using DcR2 antibody at 10ug/ml.	
Immunohistochemistry: TRAILR4/TNFRSF10D/DcR2 Antibody - BSA Free [NBP1-76985] - Immunohistochemistry of TRAILR4/TNFRSF10D/DcR2 in mouse kidney node tissue with TRAILR4/TNFRSF10D/DcR2 antibody at 2.5 ug/ml.	
Immunocytochemistry/ Immunofluorescence: TRAILR4/TNFRSF10D/DcR2 Antibody - BSA Free [NBP1-76985] - Immunofluorescence of TRAILR4/TNFRSF10D/DcR2 in mouse kidney tissue withTRAILR4/TNFRSF10D/DcR2 antibody at 20 ug/ml. Green: TRAILR4/TNFRSF10D/DcR2 Antibody Blue: DAPI staining	

Effects of 2ME and DMOG administration on TRAIL pathway and neuronal apoptosis 72 h after TBI. (A) Representative Western blot images. (B) Densitometric quantification of HIF-1α. (C) Densitometric quantification of DcR1. (D) Densitometric quantification of DR5. (E) Densitometric quantification of TRAIL. (F) Densitometric quantification of DcR2. (G) Densitometric quantification of cleaved caspase-3. (H) Quantification of DcR1-positive cells. (I) Representative microphotographs of immunofluorescence staining showing localization of DcR1 (red) and NeuN (green) in injured cerebral cortex after TBI. Scale bar = 100 μm. Arrow indicates the DcR1 positive cell. *p < 0.05 vs. sham; #p < 0.05 vs. TBI + Vehicle; &p < 0.05 vs. TBI + 2ME; ns, no significance vs. sham. N = 6 per group. Data are represented as mean +/- SD. *p < 0.05 vs. TBI + Vehicle. One-way ANOVA, Tukey's post hoctest. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/32848609), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Fang Y, Lu J, Wang X et al. HIF-1 alpha Mediates TRAIL-Induced Neuronal Apoptosis via Regulating DcR1 Expression Following Traumatic Brain Injury Front Cell Neurosci 2020-08-03 [PMID: 32848609] (WB, Rat)

Koyama S. Flow cytometric measurement of tumor necrosis factor-related apoptosis-inducing ligand and its receptors in gastric epithelium and infiltrating mucosal lymphocytes in Helicobacter pylori-associated gastritis. J Gastroenterol Hepatol. 2003-07-01 [PMID: 12795746] (FLOW)

Basile JR, Zacny V, Munger K. The cytokines tumor necrosis factor-alpha (TNF-alpha) and TNF-related apoptosis-inducing ligand differentially modulate proliferation and apoptotic pathways in human keratinocytes expressing the human papillomavirus-16 E7 oncoprotein. J Biol Chem. 2001-06-22 [PMID: 11306566] (WB, Human)

Details:
WB DR5/Apo2/TRAIL-R2/TRAILR2/TRICK2/KILLER (IMG-120A) and DcR2/TRAIL-R4/TRUNDD (IMG-121). Human keratinocytes (HFK) cells expressing HPV-16 EF (human papillomavirus), Fig 6.

Mitsiades CS, Treon SP, Mitsiades N et al. TRAIL/Apo2L ligand selectively induces apoptosis and overcomes drug resistance in multiple myeloma: therapeutic applications. Blood. 2001-08-01 [PMID: 11468181]

Gupta SC, Francis SK, Nair MS et al. Azadirone, a Limonoid Tetranortriterpene, Induces Death Receptors and Sensitizes Human Cancer Cells to Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) through a p53 Protein-independent Mechanism: EVIDENCE FOR THE ROLE OF THE ROS-ERK-CHOP-DEATH RECEPTOR PATHWAY. J Biol Chem 2013-11-08 [PMID: 24078627] (WB, Human)

Mitsiades N, Poulaki V, Tseleni-Balafouta S et al. Thyroid carcinoma cells are resistant to FAS-mediated apoptosis but sensitive to tumor necrosis factor-related apoptosis-inducing ligand. Cancer Res. 2000-08-01 [PMID: 10945619]

Allen JE, Ferrini R, Dicker DT et al. Targeting TRAIL death receptor 4 with trivalent DR4 Atrimer complexes. Mol Cancer Ther. 2012-10-01 [PMID: 22802267]

Details:
Antibodies cited: 1. DR5 (IMG-120A): Flow (cell surface) 2. DR4 (IMG-141): Flow (cell surface, HCT116 cells), Supplementary Fig. 5. 3. DcR2 (IMG-121-1): WB (SW620 and HCT15 cells), Supplementary Fig. 4.

Lunghi P, Giuliani N, Mazzera L et al. Targeting MEK/MAPK signal transduction module potentiates ATO-induced apoptosis in multiple myeloma cells through multiple signaling pathways. Blood. 2008-09-15 [PMID: 18583568] (WB, Human)

Details:
1. p73 (IMG-246): WB (human myeloma cell lines (HMCLs) XG-6 and XG-1), Fig. 4Ci. 2. p73 (deltaNp73) [IMG-313A]: WB (HMCLs), Fig. 4Ai. 3. DcR2 (IMG-121): WB (HMCLs), Fig. 5A.

Fan QL, Zou WY, Song LH et al. Synergistic antitumor activity of TRAIL combined with chemotherapeutic agents in A549 cell lines in vitro and in vivo. Cancer Chemother Pharmacol. 2005-02-01 [PMID: 15290100]

Zhang HY, Wang HQ, Liu HM et al. Regulation of tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis by DJ-1 in thyroid cancer cells. Endocr Relat Cancer. 2008-06-01 [PMID: 18430896] (WB, Human)

Details:
WB (human thyroid cells).

Poulaki V, Mitsiades CS, Kotoula V et al. Regulation of Apo2L/tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis in thyroid carcinoma cells. Am J Pathol. 2002-08-01 [PMID: 12163389]

Nagane M, Shimizu S, Mori E et al. Predominant antitumor effects by fully human anti-TRAIL-receptor 2 (DR5) monoclonal antibodies in human glioma cells in vitro and in vivo. Neuro Oncol. 2010-07-01 [PMID: 20511188] (WB, Human)

Details:
Products cited: 1. DcR2 (IMG-121-1): WB (human glioma cell lines), Fig 4B. 2. DcR1 (IMG-245-1): WB (human glioma cell lines), Fig 4B.

More publications at http://www.novusbio.com/NBP1-76985

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