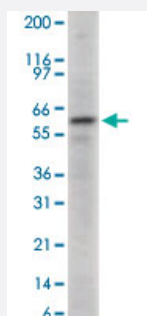


TNFRSF10B polyclonal antibody

Catalog # PAB0155

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of 20 ug of whole cell lysates from HL-60 cells with TNFRSF10B polyclonal antibody (Cat # PAB0155) at 5 ug/mL dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant TNFRSF10B.
Immunogen	Recombinant protein corresponding to amino acids 388-407 (isoform 2) of human TNFRSF10B.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of 20 ug of whole cell lysates from HL-60 cells with TNFRSF10B polyclonal antibody (Cat # PAB0155) at 5 ug/mL dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

- Flow Cytometry

Gene Info — TNFRSF10B

Entrez GeneID [8795](#)

Gene Name TNFRSF10B

Gene Alias CD262, DR5, KILLER, KILLER/DR5, TRAIL-R2, TRAILR2, TRICK2, TRICK2A, TRICK2B, TRICK B, ZTNFR9

Gene Description tumor necrosis factor receptor superfamily, member 10b

Omim ID [275355 603612](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene. [provided by RefSeq]

Other Designations Fas-like protein|OTTHUMP00000123492|TNF-related apoptosis-inducing ligand receptor 2|TRAIL receptor 2|apoptosis inducing protein TRICK2A/2B|apoptosis inducing receptor TRAIL-R2|cytotoxic TRAIL receptor-2|death domain containing receptor for TRAIL/Apo-2L|d

Publication Reference

- [Abrogation of constitutive STAT3 activity sensitizes human hepatoma cells to TRAIL-mediated apoptosis.](#)

Kusaba M, Nakao K, Goto T, Nishimura D, Kawashimo H, Shibata H, Motoyoshi Y, Taura N, Ichikawa T, Hamasaki K, Eguchi K.
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- [Tumor necrosis factor-related apoptosis-inducing ligand is required for tumor necrosis factor alpha-mediated sensitization of human breast cancer cells to chemotherapy.](#)

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Cancer Research 2006 Oct; 66(20):10092.

- [Human astrocytes are resistant to Fas ligand and tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis.](#)

Song JH, Bellail A, Tse MC, Yong VW, Hao C.
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- [Functional expression of TRAIL receptors TRAIL-R1 and TRAIL-R2 in esophageal adenocarcinoma.](#)

Younes M, Georgakis GV, Rahmani M, Beer D, Younes A.
European Journal of Cancer 2006 Jan; 42(4):542.

- [3,3'-diindolylmethane \(DIM\) and its derivatives induce apoptosis in pancreatic cancer cells through endoplasmic reticulum stress-dependent upregulation of DR5.](#)

Abdelrahim M, Newman K, Vanderlaag K, Samudio I, Safe S.
Carcinogenesis 2005 Dec; 27(4):717.

- [Activity of selective fully human agonistic antibodies to the TRAIL death receptors TRAIL-R1 and TRAIL-R2 in primary and cultured lymphoma cells: induction of apoptosis and enhancement of doxorubicin- and bortezomib-induced cell death.](#)

Georgios V Georgakis, Yang Li, Robin Humphreys, Michael Andreeff, Susan O'Brien, Mamoun Younes, Antonino Carbone, Vivian Albert, Anas Younes.
British Journal of Haematology 2005 Aug; 130(4):501.

Application: Flow Cyt, ICC, IHC-P, WB-Ce, WB-Ti, Human, HD-LM2, HD-MyZ, Jeko-1, Jurkat, Karpas299, KM-H2, L-428, SP53, SUDHL1 cells, Human primary lymphoma cells, Human lymphoma tissues

- [c-Jun NH2-terminal kinase-mediated up-regulation of death receptor 5 contributes to induction of apoptosis by the novel synthetic triterpenoid methyl-2-cyano-3,12-dioxooleana-1,9-dien-28-oate in human lung cancer cells.](#)

Wei Zou, Xiangguo Liu, Ping Yue, Zhongmei Zhou, Michael B Sporn, Reuben Lotan, Fadlo R Khuri, Shi-Yong Sun.

Cancer Research 2004 Oct; 64(20):7570.

Application: Flow Cyt, WB-Ce, WB-Tr, Human, A-549, H157, H1792 cells

- [Synergistic antitumor activity of TRAIL combined with chemotherapeutic agents in A549 cell lines in vitro and in vivo.](#)

Qing-Lin Fan, Wen-Yi Zou, Li-Hua Song, Wei Wei.

Cancer Chemotherapy and Pharmacology 2005 Feb; 55(2):189.

Application: WB-Ce, Human, A-549 cells

- [Deficient tumor necrosis factor-related apoptosis-inducing ligand \(TRAIL\) death receptor transport to the cell surface in human colon cancer cells selected for resistance to TRAIL-induced apoptosis.](#)

Zhaoyu Jin, E Robert McDonald 3rd, David T Dicker, Wafik S El-Deiry.

The Journal of Biological Chemistry 2004 Aug; 279(34):35829.

Application: IF, WB-Ce, Human, SW480 cells

- [Targeting Bcl-xL in esophageal squamous cancer to sensitize to chemotherapy plus TRAIL-induced apoptosis while normal epithelial cells are protected by blockade of caspase 9.](#)

K Kim, H Nakagawa, P Fei, A K Rustgi, W S El-Deiry.

Cell Death and Differentiation 2004 May; 11(5):583.

Application: WB-Ce, Human, EPC2, HCE4, HCE7, TE2, TE3, TE5, TE7, TE8, TE9 cells

- [The transcriptosomal response of human A549 lung cells to a hydrogen peroxide-generating system: relationship to DNA damage, cell cycle arrest, and caspase activation.](#)

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Free Radical Biology & Medicine 2004 Apr; 36(7):881.

Application: WB-Ce, Human, A-549 cells

- [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.](#)

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Journal of Gastroenterology and Hepatology 2003 Jul; 18(7):763.

Application: Flow Cyt, Human, Human gastric mucosal epithelium, Human mucosal lymphocytes

- [Involvement of proapoptotic molecules Bax and Bak in tumor necrosis factor-related apoptosis-inducing ligand \(TRAIL\)-induced mitochondrial disruption and apoptosis: differential regulation of cytochrome c and Smac/DIABLO release.](#)

Karthikeyan Kandasamy, Srinivasa M Srinivasula, Emad S Alnemri, Craig B Thompson, Stanley J Korsmeyer, Joseph L Bryant, Rakesh K Srivastava.

Cancer Research 2003 Apr; 63(7):1712.

Application: WB-Tr, Mouse, MEFs

- [Mifepristone pretreatment overcomes resistance of prostate cancer cells to tumor necrosis factor alpha-related apoptosis-inducing ligand \(TRAIL\).](#)

Manal A Eid, Ronald W Lewis, M Vijay Kumar.

Molecular Cancer Therapeutics 2002 Aug; 1(10):831.

Application: WB-Ce, Human, Mouse, LNCaP, LNCaP C4-2 cells

- [Hepatic DR5 induces apoptosis and limits adenovirus gene therapy product expression in the liver.](#)

Huang-Ge Zhang, Jinfu Xie, Liang Xu, Pingar Yang, Xin Xu, Sheher Sun, Yongming Wang, David T Curiel, Hui-Chen Hsu, John D Mountz.

Journal of Virology 2002 Jun; 76(11):5692.

Application: ELISA, Human, HEK 293 cells

- [Expression of TNF-related apoptosis-inducing ligand \(TRAIL\) and its receptors in gastric carcinoma and tumor-infiltrating lymphocytes: a possible mechanism of immune evasion of the tumor.](#)

Koyama S, Koike N, Adachi S.

Journal of Cancer Research and Clinical Oncology 2002 Feb; 128(2):73.

Application: Flow Cyt, Human, Stomach carcinoma, Tumor infiltrating lymphocytes

- [Tissue specific expression of p53 target genes suggests a key role for KILLER/DR5 in p53-dependent apoptosis in vivo.](#)

Burns TF, Bernhard EJ, El-Deiry WS.

Oncogene 2001 Aug; 20(34):4601.

- [Down-regulation of the erbB-2 receptor by trastuzumab \(herceptin\) enhances tumor necrosis factor-related apoptosis-inducing ligand-mediated apoptosis in breast and ovarian cancer cell lines that overexpress erbB-2.](#)

Cuello M, Ettenberg SA, Clark AS, Keane MM, Posner RH, Nau MM, Dennis PA, Lipkowitz S.

Cancer Research 2001 Jun; 61(12):4892.

Application: Flow Cyt, WB-Ce, Human, SKBr-3, SKOv-3, MDA-MB-231 cells

- [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.](#)

Basile JR, Zacny V, Munger K.

The Journal of Biological Chemistry 2001 Jun; 276(25):22522.

Application: WB-Tr, Human, HFKs

- [Molecular determinants of response to TRAIL in killing of normal and cancer cells.](#)

K Kim, M J Fisher, S Q Xu, W S el-Deiry.

Clinical Cancer Research 2000 Feb; 6(2):335.

Application: WB-Ce, Human, HS27, WI38 cells

Pathway

- [Apoptosis](#)
- [Cytokine-cytokine receptor interaction](#)
- [Natural killer cell mediated cytotoxicity](#)
- [p53 signaling pathway](#)

Disease

- [Asthma](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Recurrence](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)