

Anti-DR5/TNFRSF10B Antibody Picoband®

Catalog Number: PA1842

About TNFRSF10B

TNFRSF10B (Tumor necrosis factor receptor superfamily, member 10b) is a human gene. It is also known as DR5, CD262, KILLER, TRICK2, TRICKB, ZTNFR9, TRAILR2, TRICK2A, TRICK2B, TRAIL-R2, KILLER/DR5. 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 apoptosis signal. Mice have a homologous gene, tnfrsf10b, that has been essential in the elucidation of the function of this gene in humans. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. By analysis of radiation hybrid panels, Walczak et al. (1997) mapped the TRAILR2 gene to chromosome 8p22-p21. Northern blot analysis indicated that TRAILR2 was expressed as a 4.4-kb mRNA in all tissues tested, with the highest levels of expression in peripheral blood lymphocytes, spleen, and ovary.

Overview

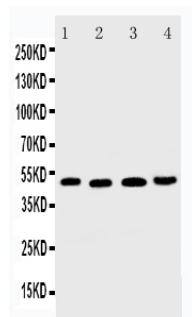
Product Name	Anti-DR5/TNFRSF10B Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-DR5/TNFRSF10B Antibody catalog # PA1842. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O14763

Technical Details

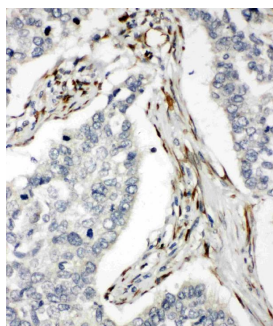
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human DR5.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human

Anti-DR5/TNFRSF10B Antibody Picoband® (PA1842) Images



Anti-DR5 antibody, PA1842, Western blotting
Lane 1: HELA Cell Lysate
Lane 2: MM231 Cell Lysate
Lane 3: SGC Cell Lysate
Lane 4: HT1080 Cell Lysate



Anti-DR5 antibody, PA1842, IHC(P)
IHC(P): Human Lung Cancer Tissue

2 Publications Citing This Product

1. PubMed ID: 20714870, Li J, Shen Q, Peng R, Chen R, Jiang P, Li Y, Zhang L, Lu J. J Huazhong Univ Sci Technolog Med Sci. 2010 Aug;30(4):458-63. Doi: 10.1007/S11596-010-0449-X. Epub 2010 Aug 17. Plumbagin Enhances Trail-Mediated Apoptosis Through Up-Regulation Of Death ...
2. PubMed ID: 24970806, Liu N, Zuo C, Wang X, Chen T, Yang D, Wang J, Zhu H. Oncotarget. 2014 Jul 15;5(13):4959-71. Mir-942 Decreases Trail-Induced Apoptosis Through Isg12A Downregulation And Is Regulated By Akt.

Visit bosterbio.com/anti-dr5-antibody-pa1842-boster.html to see all 2 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-DR5/TNFRSF10B Antibody

For Research Use Only. Not for use in diagnostic procedures.