

Anti-DR4/TNFRSF10A Antibody Picoband®

Catalog Number: PA1975

About TNFRSF10A

TNFRSF10A (Tumor Necrosis Factor Receptor Subfamily Member 10A), also known as APO2, DR4 or TRAILR1, is a protein that in humans is encoded by the TNFRSF10A gene. The protein encoded by this gene is a member of the TNF-receptor superfamily. By analysis of radiation hybrids, Marsters et al. (1997) mapped the DR4 gene to 8p21. The TRAIL receptor DR5, and 2 decoy receptors for TRAIL, DCR1, and DCR2, are located in the same region, suggesting that these receptors arose from recent gene duplication events. Pan et al. (1997) found that, as with FAS, TNFR1, and DR3, overexpression of DR4 induced apoptosis. However, unlike the other 3 death receptors, DR4 did not use FADD to transmit the death signal, suggesting the use of distinct proximal signaling machinery.

Overview

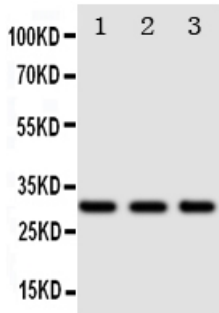
Product Name	Anti-DR4/TNFRSF10A Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-DR4/TNFRSF10A Antibody catalog # PA1975. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	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	O00220

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human DR4.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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	Western blot, 0.1-0.5ug/ml, Human

Anti-DR4/TNFRSF10A Antibody Picoband® (PA1975) Images



Anti-DR4 antibody, PA1975, Western blotting Lane 1: SW620 Cell Lysate Lane 2: COLO320 Cell Lysate Lane 3: HT1080 Cell Lysate

3 Publications Citing This Product

1. PubMed ID: 21785459, Fu K, Ren H, Wang Y, Fei E, Wang H, Wang G. *Oncogene*. 2012 Mar 8;31(10):1311-22. Doi: 10.1038/Onc.2011.315. Epub 2011 Jul 25. Dj-1 Inhibits Trail-Induced Apoptosis By Blocking Pro-Caspase-8 Recruitment To Fadd.
2. PubMed ID: 18277875, Zhang L, Niu T, Yang Sy, Lu Z, Chen B. *Spine (Phila Pa 1976)*. 2008 Feb 15;33(4):422-7. Doi: 10.1097/Brs.0B013E318163E036. The Occurrence And Regional Distribution Of Dr4 On Herniated Disc Cells: A Potential Apoptosis Pathway In Lumbar Intervertebr...
3. 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.

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