

Anti-DR4/TNFRSF10A Antibody

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

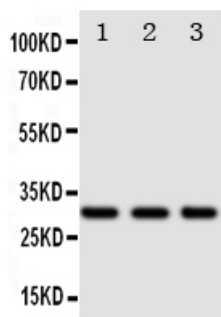
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| Product Name | Anti-DR4/TNFRSF10A Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-DR4/TNFRSF10A Antibody catalog # PA1975. Tested in WB applications. This antibody reacts with Human. |
| Application | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. |
| 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

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|-------------------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminus of human DR4. |
| Predicted Reactive Species | Hamster |
| 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 |

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|---------------------|--|
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p> |

Anti-DR4/TNFRSF10A Antibody (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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