

## Product datasheet for **TA336389**

### DR4 (TNFRSF10A) Mouse Monoclonal Antibody [Clone ID: 32A242]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	32A242
Applications:	ICC/IF, Immunoblotting, WB
Recommended Dilution:	Western Blot: 1 - 3 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunoblotting
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This monoclonal antibody was raised against a peptide corresponding to amino acid 2 to 21 of human DR4.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor receptor superfamily member 10a
Database Link:	<a href="#">NP_003835</a> <a href="#">Entrez Gene 8797 Human</a> <a href="#">O00220</a>



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**Background:**

Cells undergo programmed cell death (Apoptosis) in response to various stimuli. Apoptosis is essential for morphogenesis, tissue homeostasis, and host defense. Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel death domain containing receptor was recently identified and designated DR4 (for death receptor 4). The ligand for this novel death receptor has been identified and termed TRAIL, which is a new member in the TNF family. DR4 is also called TRAIL receptor-1 (TRAIL-R1). DR4 is expressed in most human tissues including spleen, peripheral blood leukocytes, small intestine and thymus. Like TNFR1, Fas and DR3, DR4 mediates apoptosis and NF- $\kappa$ B activation in many tissues and cells.

**Synonyms:**

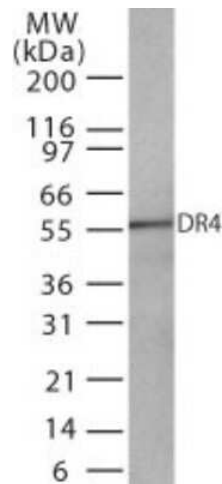
APO2; CD261; DR4; TRAILR-1; TRAILR1

**Protein Families:**

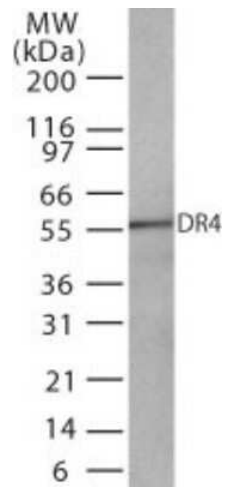
Druggable Genome, Transmembrane

**Protein Pathways:**

Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity

**Product images:**

Western Blot: TRAIL R1/TNFRSF10A Antibody (32A242) TA336389 - Analysis of 20 ug of total cell lysate from HeLa cells with DR4 antibody at 2 ug/ml. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Western Blot: TRAIL R1/TNFRSF10A Antibody (32A242) TA336389 - Analysis using Azide/BSA FREE version of TA336389. Analysis of 20 ug of total cell lysate from HeLa cells with DR4 antibody at 2 ug/ml. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.