

RABBIT ANTI-DR4 (C-Terminal) [TRAIL-R1] POLYCLONAL ANTIBODY

CATALOG NUMBER: AB16955

LOT NUMBER:

QUANTITY: 100 µg

CONCENTRATION: .5 mg/mL.

SPECIFICITY: Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines including TNF and Fas ligand of the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel cell death receptor was recently identified by several groups independently and designated DR4 (for death receptor 4) (1). The ligand for this novel cell death receptor has been identified and termed TRAIL, which is a new member in TRF family. Therefore, DR4 is also called TRAIL receptor-1 (TRAIL-R1) (3). DR4 is expressed in most of human tissues including spleen, peripheral blood leukocytes, small intestine and thymus. Like TNFR1, Fas and DR3, DR4 mediates TRAIL induced apoptosis and NF-κB activation in many tissues and cells.

IMMUNOGEN: Polyclonal antibody raised against a peptide corresponding to amino acids 427-445 at C-terminus of human DR4 mature protein.

APPLICATIONS: Western blot: 1:500-1:1000
Whole cell lysate from HeLa cells can be used as a positive control and a 57 kDa band should be detected.
Optimal working dilutions must be determined by end user.

FORMAT: Affinity purified immunoglobulin

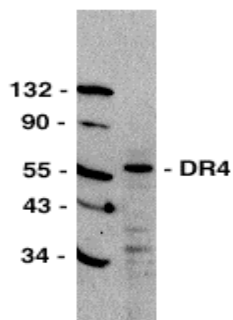
PRESENTATION: Liquid in PBS containing 0.02% sodium azide.

STORAGE/HANDLING: Maintain refrigerated at 2-8°C in undiluted aliquots for up to 12 months.

REFERENCES:

1. Pan, G. et al. (1997). *Science* **276**: 111-113.
2. Wiley, S.R. et al. (1995). *Immunity* **3**: 673-82.
3. Schneider, P. et al. (1997). *Immunity* **7**: 831-836.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*



Western blot analysis of DR4 in
 HeLa total cell lysate with anti-DR4 (CT)
 at 1:500 dilution.

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 PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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