

DR3 Antibody

DR3 (ED): Wsl-1, Apo-3, TRAMP, LARD

CATALOG NO.: 1158

BACKGROUND:

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 DR3, Wsl-1, Apo-3, TRAMP and LARD (1-5). The ligand for this novel death receptor has been defined as TWEAK, also termed Apo3L. DR3 is highly expressed in the tissues enriched in lymphocytes including PBL, thymus and spleen. Like TNFR1, DR3 induces apoptosis and NF- κ B activation.

SOURCE:

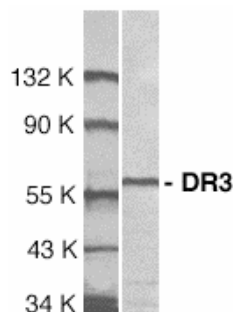
Rabbit polyclonal DR3 antibody was raised against a peptide corresponding to amino acids in extracellular domain (ED) of human DR3 precursor.

APPLICATION:

DR3 antibody can be used for detection of DR3 expression by Western blot at 1 – 2 μ g/ml. (Optimal dilution should be determined by user.) Jurkat total cell lysate can be used as positive control and a 59 kDa band should be detected. DR3 antibody is human and mouse reactive. **For research use only.**

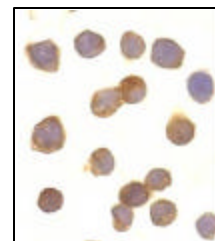
STORAGE:

DR3 antibody is supplied as purified IgG in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of DR3 in Jurkat total cell lysate with DR3 antibody at 1 μ g/ml.

Immunocytochemistry of DR3 in Jurkat cells with DR3 antibody at 10 μ g/ml.



RELATED PRODUCTS:

Blocking peptide, Catalog No. **1158P**.

Jurkat Cell Lysate, Catalog No. **1205**.

DR3 Antibody (CT), Catalog No. **1120**.

TWEAK Antibody, Catalog No. **3791**.

REFERENCES:

1. Chinnaiyan AM, O'Rourke K, Yu GL, et al. Signal transduction by DR3, a death domain-containing receptor related to TNFR-1 and CD95. *Science* 1996; 274:990-2.
2. Kitson J, Raven T, Jiang YP, et al. A death-domain-containing receptor that mediates apoptosis. *Nature* 1996; 384:372-5.
3. Marsters SA, Sheridan JP, Donahue CJ, et al. Apo-3, a new member of the tumor necrosis factor receptor family, contains a death domain and activates apoptosis and NF-kappa B. *Curr. Biol.* 1996; 6:1669-76.
4. Bodmer JL, Burns K, Schneider P, et al. TRAMP, a novel apoptosis-mediating receptor with sequence homology to tumor necrosis factor receptor 1 and Fas (Apo-1/CD95). *Immunity* 1997; 6:79-88.
5. Screaton GR, Xu XN, Olsen AL, et al. LARD: a new lymphoid-specific death domain containing receptor regulated by alternative pre-mRNA splicing. *Proc. Nat. Acad. Sci. USA.* 1997; 94:4615-9. (06-02D)