

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

CATALOG No.: PX068A SIZE: 100 µg
PX068B SIZE: 0.5 mg

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 LARD¹⁻⁵. 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-κB activation.

SOURCE:

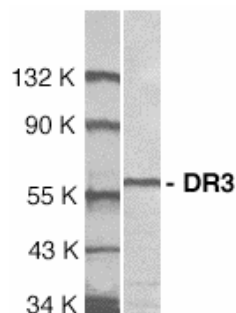
Rabbit anti-DR3 (ED) polyclonal antibody was raised against a peptide corresponding to amino acids 59 to 77 in extracellular domain (ED) of human DR3 precursor^{1,2}.

APPLICATION:

This polyclonal antibody can be used for detection of DR3 expression by Western blot at 1:500 to 1:1000 dilution. Jurkat total cell lysate can be used as positive control and a 59 kDa band should be detected. It is human and mouse reactive. For research use only.

STORAGE:

It is supplied as purified IgG, 100 µg in 200 µl of 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 anti-DR3 (ED) at 1:1000 dilution.

REFERENCES:

1. Chinnaiyan AM; O'Rourke K; Yu GL; Lyons RH; Garg M; Duan DR; Xing L; Gentz R; Ni J; Dixit VM. *Science*, 1996;274:990-2.
2. Kitson J; Raven T; Jiang YP; Goeddel DV; Giles KM; Pun KT; Grinham CJ; Brown R; Farrow SN. *Nature*, 1996;384:372-5.
3. Marsters SA; Sheridan JP; Donahue CJ; Pitti RM; Gray CL; Goddard AD; Bauer KD; Ashkenazi A. *Curr Biol*, 1996;6:1669-76.
4. Bodmer JL; Burns K; Schneider P; Hofmann K; Steiner V; Thome M; Bornand T; Hahne M; Schroter M; Becker K; et al. *Immunity*, 1997;6:79-88.
5. Screaton GR; Xu XN; Olsen AL; Cowper AE; Tan R; McMichael AJ; Bell JL. *Proc. Nat. Acad. Sci. USA*. 1997;94:4615-9.

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



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