

DcR2 Antibody

DcR2 (ID): TRAIL-R4, TRUNDD

CATALOG NO.: 2021

BACKGROUND:

Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. TRAIL/Apo2L is a new member of the TNF family and induces apoptosis of a variety of tumor cell lines. DR4 and DR5 are the recently identified functional receptors for TRAIL, and DcR1/TRID is a decoy receptor (1-3). Another member of the TRAIL receptor family was more recently identified and designated DcR2, TRAIL-R4, or TRUNDD (4-6). DcR2 has an extracellular TRAIL-binding domain but lacks intracellular death domain and does not induce apoptosis. Like DR4 and DR5, DcR2 transcript is widely expressed in normal human tissues. Overexpression of DcR2 attenuated TRAIL-induced apoptosis.

SOURCE:

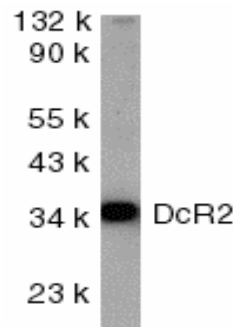
Rabbit polyclonal DcR2 antibody was raised against a peptide corresponding to amino acids 249 to 263 of human DcR2 precursor (4-6).

APPLICATION:

DcR2 antibody can be used for detection of DcR2 expression by Western blot at 1:1000 to 1:2000 dilution. (Optimal dilution should be determined by user.) Whole cell lysate from HeLa cells can be used as positive control. DcR2 antibody is human, mouse, and rat reactive. **For research use only.**

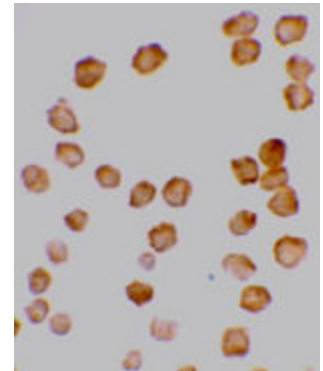
STORAGE:

DcR2 antibody is supplied as affinity chromatography purified IgG, in PBS containing 0.02% sodium azide. Store at -20°C. Stable for one year at 2-8°C.



Western blot analysis of DcR2 in HeLa whole cell lysate with DcR2 antibody at 1:1000 dilution.

Immunocytochemical staining of HeLa cells using DcR2 antibody at 10 µg/ml.



REFERENCES:

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4. Marsters SA, Sheridan JP, Pitti RM, et al. A novel receptor for Apo2L/TRAIL contains a truncated death domain. *Curr Biol* 1997; 7:1003-6.
5. Degli-Esposti MA, Dougall WC, Smolak PJ, et al. The novel receptor TRAIL-R4 induces NF-kappaB and protects against TRAIL-mediated apoptosis, yet retains an incomplete death domain. *Immunity* 1997; 7:813-20.
6. Pan G, Ni J, Yu G, et al. TRUNDD, a new member of the TRAIL receptor family that antagonizes TRAIL signalling. *FEBS Lett* 1998; 424:41-5. (RD0705)