

anti-DcR1

Cat #: HM1115
Goat polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

DcR1 (also designated TRID, TRAILR3) is a non-death-domain-containing receptor that specifically associates with TRAIL and may play a role in cellular resistance to apoptotic stimuli. The receptor contains an extracellular TRAIL-binding domain and a transmembrane domain, but no cytoplasmic death domain. DcR1 is not capable of inducing apoptosis, and is thought to function as an antagonistic receptor that protects cells from TRAIL-induced apoptosis. Its expression is detected in many normal tissues but not in most cancer cell lines, which may explain the specific sensitivity of cancer cells to the apoptosis-inducing activity of TRAIL.

SPECIFICITY

This antibody reacts with DcR1 of human origin.

The antibody can be used in Western blotting and immunohistochemistry.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human DcR1 protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

1. Pan,G., Ni,J., Wei,Y.F., Yu,G., Gentz,R. and Dixit,V.M. (1997) An antagonist decoy receptor and a death domain-containing receptor for TRAIL. *Science* 277, 815-818
2. Sheridan,J.P., Marsters,S.A., Pitti,R.M., Gurney,A., Skubatch,M., Baldwin,D., Ramakrishnan,L., Gray,C.L., Baker,K., Wood,W.I., Goddard,A.D., Godowski,P. and Ashkenazi,A. (1997) Control of TRAIL-induced apoptosis by a family of signaling and decoy receptors. *Science* 277, 818-821.
3. Sheikh,M.S., Huang,Y., Fernandez-Salas,E.A., El-Deiry,W.S., Friess,H., Amundson,S., Yin,J., Meltzer,S.J., Holbrook,N.J. and Fornace,A.J. Jr. (1999) The antiapoptotic decoy receptor TRID/TRAIL-R3 is a p53-regulated DNA damage-inducible gene that is overexpressed in primary tumors of the gastrointestinal tract. *Oncogene* 18, 4153-4159.

4. Ruiz de Almodovar,C., Ruiz-Ruiz,C., Rodriguez,A., Ortiz-Ferron,G., Redondo,J.M. and Lopez-Rivas,A. (2004) Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) decoy receptor TRAIL-R3 is up-regulated by p53 in breast tumor cells through a mechanism involving an intronic p53-binding site. *J. Biol. Chem.* 279, 4093-4101

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