

## DcR3 Antibody

*DcR3 (NT): Decoy receptor 3, TR6, TNFRSF6B*

**CATALOG NO.: 2140**

### BACKGROUND:

Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. Several novel members in the TNFR family including DR3, DR4, DR5, and DR6 were recently discovered and function as cell death receptors. Two decoy receptors, DcR1 and DcR2, were recently identified to compete with DR4 and DR5 for their ligand TRAIL binding. A novel decoy receptor was more recently discovered and designated DcR3 and TR6, respectively, (1,2). Unlike DcR1 and DcR2, DcR3 is a soluble rather than a membrane associated molecule. DcR3 binds to FasL and LIGHT and inhibits FasL and LIGHT induced apoptosis (1,2). DcR3 transcript is expressed in a number of lung and colon carcinomas and in some normal tissues.

### SOURCE:

Rabbit polyclonal DcR3 antibody was raised against a peptide corresponding to amino acids near the amino terminus of human DcR3 precursor (1,2).

### APPLICATION:

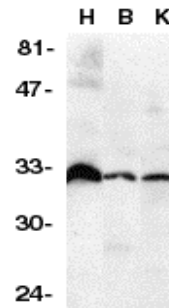
DcR3 antibody can be used for detection of DcR3 expression by Western blot at 0.5 - 1 mg/ml. (Optimal dilution should be determined by user.) Tissue lysate of human heart can be used as positive control and an approximately 33 kDa band can be detected. DcR3 antibody is human, mouse, and rat reactive. **For research use only.**

### STORAGE:

DcR3 antibody is supplied as ion exchange chromatography purified IgG, in PBS containing 0.02% sodium azide. Store at -20°C. Stable for one year at 4°C.

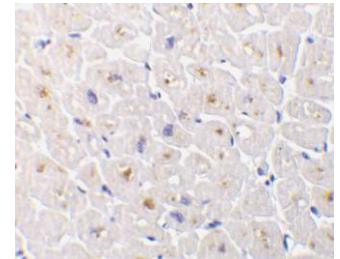
### RELATED PRODUCTS:

Blocking peptide, Catalog No. **2140P**.  
Human Heart Tissue Lysate, Catalog No. **1301**.  
DcR1 Antibody (ED), Catalog No. **2179**.  
DR4 Antibody (CT), Catalog No. **1139**.  
DR5 Antibody (CT), Catalog No. **2019**.



Western blot analysis of DcR3 in human heart (H), brain (B), and kidney (K) tissue lysates with DcR3 antibody at 1 µg/ml.

Immunohistochemistry of DcR3 in human heart tissue with DcR3 antibody at 1 µg/ml.



### REFERENCES:

1. Pitti RM, Marsters SA, Lawrence DA, et al. Genomic amplification of a decoy receptor for Fas ligand in lung and colon cancer. *Nature* 1998; 396:699-703.
2. Yu KY, Kwon B, Ni J, et al. A newly identified member of tumor necrosis factor receptor superfamily (TR6) suppresses LIGHT-mediated apoptosis. *J. Biol. Chem.* 1999; 274:13733-6. (RD0606)