

DcR2 Polyclonal Antibody

CATALOG #:	3060-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 252 of human DcR2 precursor
SPECIES REACTIVITY:	human, mouse, rat

FORMULATION:

100 µg (0.2 mg/ml) affinity purified, rabbit anti-DcR2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.02% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

Apoptosis is induced by certain cytokines including TNF- α and FasL/CD95L of the TNF superfamily through interaction with their death domain (DD)-containing receptors, TNFR1 and Fas/CD95, respectively. TRAIL/Apo2L is a member of the TNF superfamily and induces apoptosis in a variety of tumor cell lines. The functional receptors for TRAIL are DR4 and DR5. DcR1 (also known as TRAIL-R3 or TRID) is a decoy receptor for TRAIL. DcR2 was recently identified another member of the TRAIL receptor family. DcR2 has an extracellular TRAIL-binding domain but has a truncated DD that contains one third of a consensus death domain motif. HeLa cells transfected with DcR2 showed no increase in cell death. High levels of DcR2 specifically inhibit the cytotoxic action of TRAIL. DcR2 transcript is widely expressed in normal human tissues and this expression pattern differs from that of DcR4, DcR5, and DcR1 suggesting that it may have a distinct role.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The antibody detects a 36 kDa DcR2 on SDS-PAGE immunoblots. HeLa cell lysate can be used as a positive control.

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies