

## Death Receptor 4 (DR4) Polyclonal Antibody

<b>CATALOG #:</b>	3061A-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide corresponding to residues surrounding amino acids 454 of human DR4. (ID# BV-C55)
<b>SPECIES REACTIVITY:</b>	Mouse

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-DR4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

### STORAGE CONDITIONS:

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

### BACKGROUND DESCRIPTION:

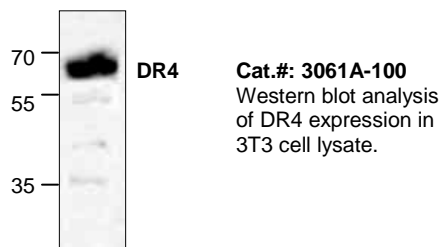
Apoptosis can be induced by certain cytokines including TNF and Fas Ligand of the TNF super-family through their death domain (DD) containing receptors, TNFR1 and Fas. A member of the TNF receptor family was recently identified and designated DR4 (death receptor 4) and TRAIL-R1. The ligand for this novel death receptor has been identified and termed TRAIL. DR4 is expressed in most of the human tissues including spleen, peripheral blood leukocytes (PBLs), small intestine and thymus. Like TNFR1, Fas and DR3, DR4 mediates apoptosis and NFκB activation in many tissues and cells.

### SPECIFICITY:

The antibody detects a 57 kDa mouse DR4 in Western blot analysis. 3T3 cell lysate can be used as a positive control. Other applications have not been determined. Blocking peptide (Cat.# 3061BP-50) is available separately.

### APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). Per researcher's feedback, it can also be used in immunofluorescence. However, the optimal conditions should be determined individually.



**FOR RESEARCH USE ONLY! Not to be used on 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