

# TRAIL Polyclonal Antibody

**CATALOG #:** 3045-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

## FORMULATION:

100 µg (0.5 mg/ml) affinity purified, rabbit anti-TRAIL polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

**SPECIES REACTIVITY:** Human

## STORAGE CONDITIONS:

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

## BACKGROUND DESCRIPTION:

TRAIL (TNF-related apoptosis-inducing ligand), a member of the TNF ligand family, is a type II membrane protein and expressed in a variety of human tissues. Two death domains containing receptors DR4 and DR5 have been identified as the receptors for TRAIL and two decoy receptors designated DcR1 and DcR2 inhibit TRAIL function. The multiple receptors suggest a complex role for regulation of signaling by the cytokine. TRAIL induces apoptosis and NF-κB activation in many tissues and cells.

## SPECIFICITY:

The antibody detects a 32 kDa protein, corresponding to the apparent molecular weight of TRAIL on SDS-PAGE immunoblots, in human cell lines.

## APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-1 µg/ml), ELISA (2-3 µg/ml) and neutralization (5-10 µg/ml). However, the optimal conditions should be determined individually.

**NOTE:** For Research Use Only! Not to be used in human.

## 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
- Apoptotic Cell Isolation Kit

### 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 Kit
- 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

### Quality Antibodies for Apoptosis and Signal Transduction Molecules