

Sp3 Polyclonal Antibody

CATALOG NO: 3887-30T 30 µg (Trial size)
3887-100 100 µg

HOST: Rabbit

SPECIES REACTIVITY: Human, Mouse, Rat

IMMUNOGEN:

Synthetic peptide surrounding amino acid 766 of mouse Sp3 (Internal ID# BV-B34)

FORMULATION:

0.5 mg/ml affinity purified rabbit anti-Sp3 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/defrost cycles.

BACKGROUND DESCRIPTION:

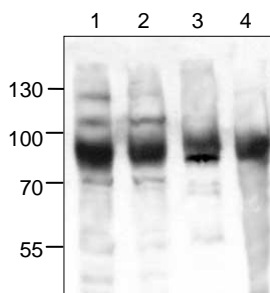
Sp transcription factor family has a highly conserved DNA-binding domain composed of zinc fingers. The Sp family is comprised of Sp1, Sp2, Sp3 and Sp4 that regulates transcription by binding to consensus GC- and GT-box regulatory elements in the target genes. Sp1, Sp3 and Sp4 have a high binding capacity for GC box while Sp2 binds weakly to the GT box. Sp3 has been shown to have to a bifunctional transcription factor that can either stimulates or represses the transcription of various genes.

SPECIFICITY:

The antibody detects ~86-100 kDa Sp3 in samples from human, mouse and rat origins. Blocking peptide (Cat.# 3887BP-50) is available separately.

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. Other applications have not been tested.



Cat. #:3887-100
Western blot analysis of Sp3 using lysates from Jurkat cells (Lane 1 & 2), 3T3 cells (Lane 3) and Rat kidney (Lane 4).

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