

Sp3 Polyclonal Antibody

CATALOG #: 3887-100
AMOUNT: 100 µg
LOT #: _____
HOST: Rabbit
SPECIES REACTIVITY: Human, Mouse, Rat

IMMUNOGEN:

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

FORMULATION:

100 µg (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:

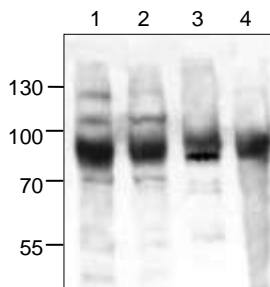
Sp transcription factor family has a highly conserved DNA-binding domain composed of zinc fingers. The Sp family is comprised of Sp1, Sp2, Sp3 and Sp4 that regulates transcription by binding to consensus GC- and GT-box regulatory elements in the target genes. Sp1, Sp3 and Sp4 have a high binding capacity 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).

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