

SP3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14413c**Specification**

SP3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q02447](#)

SP3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6670

Other Names

Transcription factor Sp3, SPR-2, SP3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SP3 Antibody (Center) Blocking Peptide - Protein Information

Name SP3

Function

Transcriptional factor that can act as an activator or repressor depending on isoform and/or post-translational modifications. Binds to GT and GC boxes promoter elements. Competes with SP1 for the GC-box promoters. Weak activator of transcription but can activate a number of genes involved in different processes such as cell-cycle regulation, hormone-induction and house-keeping.

Cellular Location

Nucleus. Nucleus, PML body. Note=Localizes to the nuclear periphery and in nuclear dots when sumoylated. Some localization in PML nuclear bodies

Tissue Location

Ubiquitously expressed.

SP3 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SP3 Antibody (Center) Blocking Peptide - Images

SP3 Antibody (Center) Blocking Peptide - Background

This gene belongs to a family of Sp1 related genes that encode transcription factors that regulate transcription by binding to consensus GC- and GT-box regulatory elements in target genes. This protein contains a zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either stimulates or represses the transcription of numerous genes. Transcript variants encoding different isoforms have been described for this gene, and one has been reported to initiate translation from a non-AUG (AUA) start codon. Additional isoforms, resulting from the use of alternate downstream translation initiation sites, have also been noted. A related pseudogene has been identified on chromosome 13.

SP3 Antibody (Center) Blocking Peptide - References

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Eckerstorfer, P., et al. Mol. Immunol. 47 (11-12), 2094-2102 (2010)
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