

SP2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP13121b**Specification**

SP2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q02086](#)

SP2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 6668

Other Names

Transcription factor Sp2, SP2, KIAA0048

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13121b was selected from the C-term region of SP2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SP2 Antibody (C-term) Blocking Peptide - Protein Information

Name SP2

Synonyms KIAA0048

Function

Binds to GC box promoters elements and selectively activates mRNA synthesis from genes that contain functional recognition sites.

Cellular Location

Nucleus.

SP2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SP2 Antibody (C-term) Blocking Peptide - Images

SP2 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein contains the least conserved DNA-binding domain within the Sp subfamily of proteins, and its DNA sequence specificity differs from the other Sp proteins. It localizes primarily within subnuclear foci associated with the nuclear matrix, and can activate or in some cases repress expression from different promoters.

SP2 Antibody (C-term) Blocking Peptide - References

Ito, H., et al. Biochim. Biophys. Acta 1789 (11-12), 681-690 (2009) :Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) :Letourneur, M., et al. Mol. Immunol. 46 (11-12), 2151-2160 (2009) :Sun, J.M., et al. J. Biol. Chem. 282(45):33227-33236(2007) Das, A., et al. J. Biol. Chem. 281(51):39105-39113(2006)