

# SSX4 Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP16168c

## **Specification**

# SSX4 Antibody (Center) Blocking Peptide - Product Information

**Primary Accession** 

060224

## SSX4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 548313;6759

#### **Other Names**

Protein SSX4, Cancer/testis antigen 54, CT54, SSX4, SSX4A

#### **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.

### SSX4 Antibody (Center) Blocking Peptide - Protein Information

Name SSX4

Synonyms SSX4A

#### **Function**

Could act as a modulator of transcription.

## SSX4 Antibody (Center) Blocking Peptide - Protocols

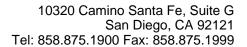
Provided below are standard protocols that you may find useful for product applications.

# • Blocking Peptides

SSX4 Antibody (Center) Blocking Peptide - Images

# SSX4 Antibody (Center) Blocking Peptide - Background

The product of this gene belongs to the family of highlyhomologous synovial sarcoma X (SSX) breakpoint proteins. Theseproteins may function as transcriptional repressors. They are alsocapable of eliciting spontaneously humoral and cellular immuneresponses in cancer patients, and are





potentially useful targets incancer vaccine-based immunotherapy. SSX1, SSX2 and SSX4 genes havebeen involved in the t(X;18) translocation characteristically foundin all synovial sarcomas. This translocation results in the fusion of the synovial sarcoma translocation gene on chromosome 18 to one of the SSX genes on chromosome X. Chromosome Xp11 contains asegmental duplication resulting in two identical copies of synovialsarcoma, X breakpoint 4, SSX4 and SSX4B, in tail-to-tailorientation. This gene, SSX4B, represents the more centromericcopy. Two transcript variants encoding distinct isoforms have been identified for this gene.

# SSX4 Antibody (Center) Blocking Peptide - References

Ayyoub, M., et al. J. Immunol. 174(8):5092-5099(2005)Ross, M.T., et al. Nature 434(7031):325-337(2005)Gure, A.O., et al. Int. J. Cancer 101(5):448-453(2002)Brodin, B., et al. Gene 268 (1-2), 173-182 (2001) :Chen, C.H., et al. Cancer Lett. 164(2):189-195(2001)