

**SSX4 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP13213c****Specification**

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**SSX4 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [O60224](#)

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

**Gene ID** 548313;6759

**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13213c was selected from the Center region of SSX4. 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.

**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 highly homologous synovial sarcoma X (SSX) breakpoint proteins. These proteins may function as transcriptional repressors. They are also capable of eliciting spontaneously humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. SSX1, SSX2 and SSX4 genes have been involved in the t(X;18) translocation characteristically found in 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 a segmental duplication resulting in two identical copies of synovial sarcoma, X breakpoint 4, SSX4 and SSX4B, in tail-to-tail orientation. This gene, SSX4B, represents the more centromeric copy. 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)