

**SS18L1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18184c****Specification**

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**SS18L1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O75177](#)**SS18L1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 26039**Other Names**

Calcium-responsive transactivator, SS18-like protein 1, SYT homolog 1, SS18L1, CREST, KIAA0693

**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.

**SS18L1 Antibody (Center) Blocking Peptide - Protein Information****Name** SS18L1**Synonyms** CREST, KIAA0693**Function**

Transcriptional activator which is required for calcium- dependent dendritic growth and branching in cortical neurons. Recruits CREB-binding protein (CREBBP) to nuclear bodies. Component of the CREST-BRG1 complex, a multiprotein complex that regulates promoter activation by orchestrating a calcium-dependent release of a repressor complex and a recruitment of an activator complex. In resting neurons, transcription of the c-FOS promoter is inhibited by BRG1-dependent recruitment of a phospho-RB1-HDAC1 repressor complex. Upon calcium influx, RB1 is dephosphorylated by calcineurin, which leads to release of the repressor complex. At the same time, there is increased recruitment of CREBBP to the promoter by a CREST-dependent mechanism, which leads to transcriptional activation. The CREST-BRG1 complex also binds to the NR2B promoter, and activity-dependent induction of NR2B expression involves a release of HDAC1 and recruitment of CREBBP (By similarity).

**Cellular Location**

Nucleus. Chromosome, centromere, kinetochore. Note=Localizes to nuclear bodies Colocalizes with SGO1 at kinetochore (By similarity).

**Tissue Location**

Ubiquitous; with lowest levels in spleen.

**SS18L1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**SS18L1 Antibody (Center) Blocking Peptide - Images****SS18L1 Antibody (Center) Blocking Peptide - Background**

Synovial sarcomas occur most frequently in the extremities around large joints. More than 90% of cases have a recurrent and specific chromosomal translocation, t(X;18)(p11.2;q11.2), in which the 5-prime end of the SS18 gene (MIM 600192) is fused in-frame to the 3-prime end of the SSX1 (MIM 312820), SSX2 (MIM 300192), or SSX4 (MIM 300326) gene. The SS18L1 gene is homologous to SS18.

**SS18L1 Antibody (Center) Blocking Peptide - References**

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010) Yoshida, T., et al. Int. J. Mol. Med. 24(4):539-547(2009) de Bruijn, D.R., et al. Cytogenet. Genome Res. 112 (3-4), 222-226 (2006) :Pradhan, A., et al. J. Biol. Chem. 280(26):24738-24743(2005)