

## Product datasheet for **CF500618**

### SSX2 Mouse Monoclonal Antibody [Clone ID: OTI4A11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4A11
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human SSX2 expression vector
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	21.6 kDa
Gene Name:	SSX family member 2
Database Link:	<a href="#">NP_003138</a> <a href="#">Entrez Gene 6757 Human</a> <a href="#">Q16385</a>



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**Background:**

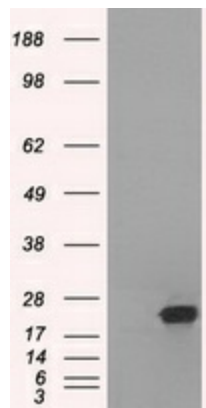
The product of this gene belongs to the family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. These proteins may function as transcriptional repressors. They are also capable of eliciting spontaneously humoral and cellular immune responses in cancer patients, and are potentially useful 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. The encoded hybrid proteins are probably responsible for transforming activity. Two transcript variants encoding distinct isoforms have been identified for this gene.

**Synonyms:**

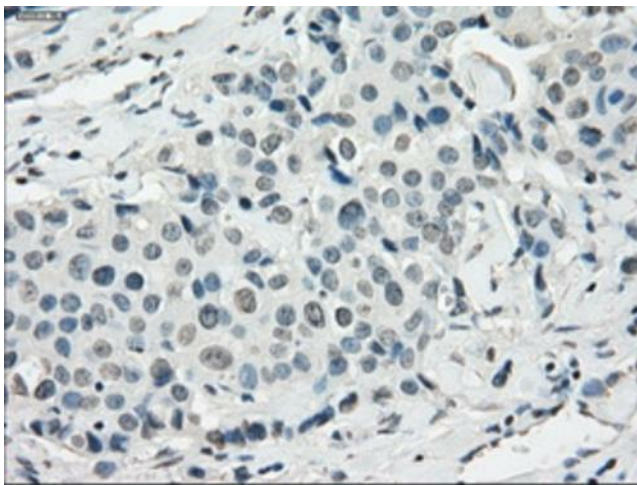
CT5.2; CT5.2A; HD21; HOM-MEL-40; SSX

**Protein Families:**

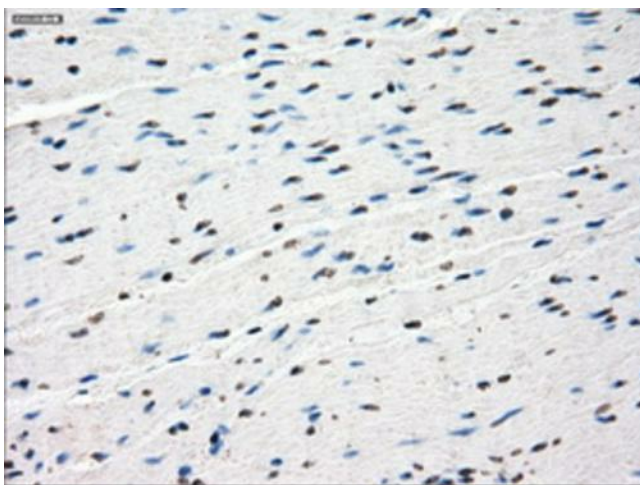
Druggable Genome, Transcription Factors

**Product images:**

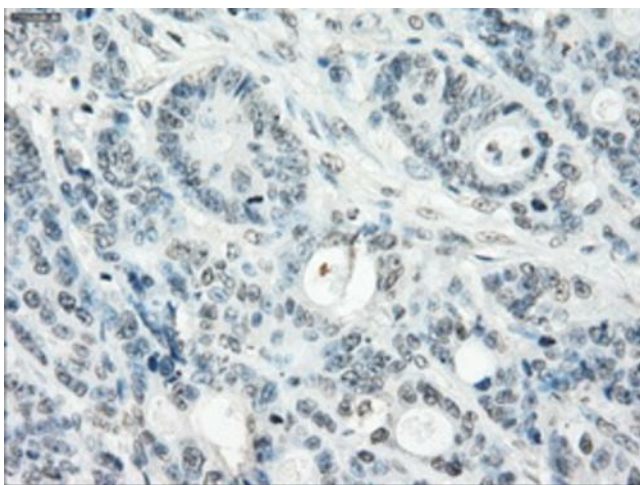
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SSX2 ([RC201214], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SSX2. Positive lysates [LY418870] (100ug) and [LC418870] (20ug) can be purchased separately from OriGene.



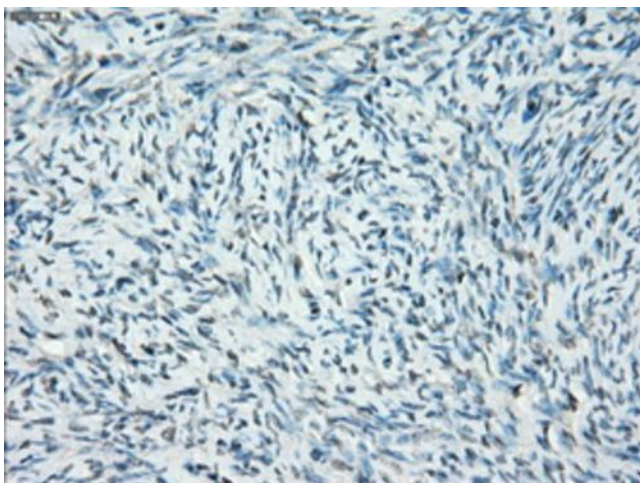
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-SSX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500618], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded colon tissue within the normal limits using anti-SSX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500618], Dilution 1:50)

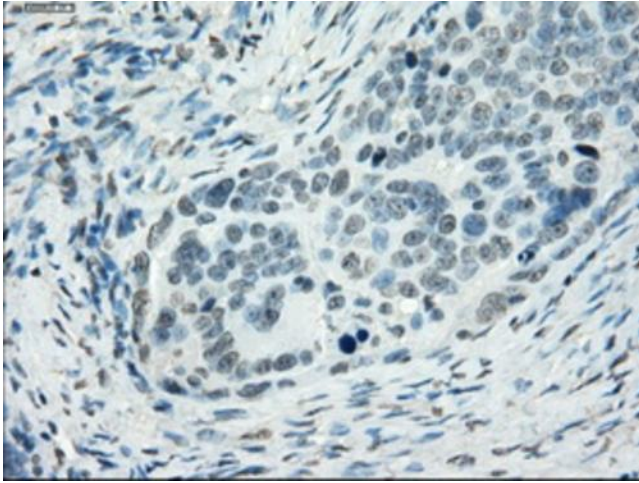


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-SSX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500618], Dilution 1:50)

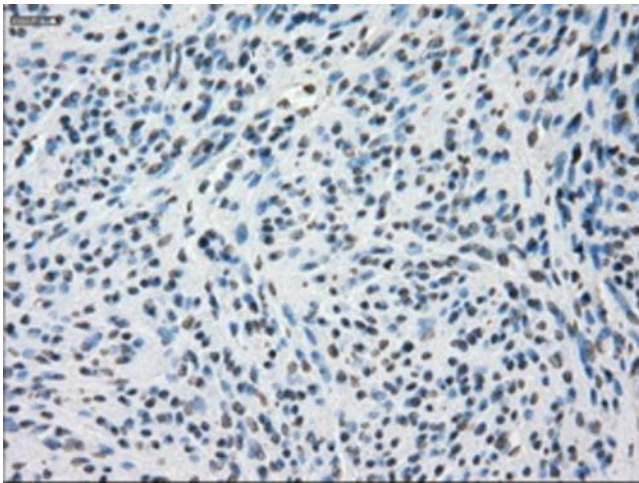


Immunohistochemical staining of paraffin-embedded Ovary tissue within the normal limits using anti-SSX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500618], Dilution 1:50)

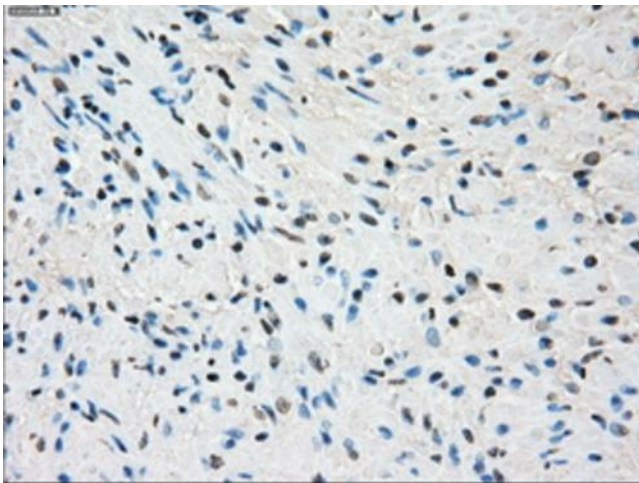




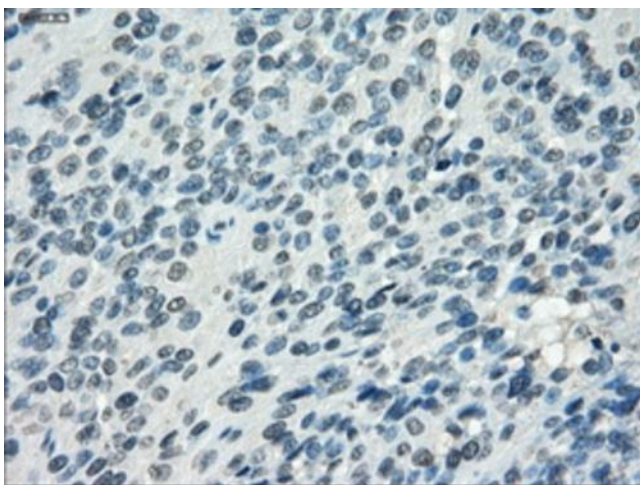
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of ovary tissue using anti-SSX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500618], Dilution 1:50)



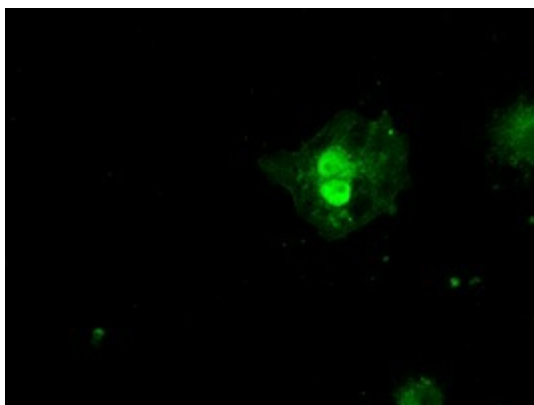
Immunohistochemical staining of paraffin-embedded endometrium tissue within the normal limits using anti-SSX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500618], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded prostate tissue within the normal limits using anti-SSX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500618], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Carcinoma of bladder tissue using anti-SSX2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500618], Dilution 1:50)



Anti-SSX2 mouse monoclonal antibody ([TA500618]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SSX2 ([RC201214]).