

Product datasheet for **CF502730**

SSX1 Mouse Monoclonal Antibody [Clone ID: OTI2F8]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2F8 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human SSX1 (NP_005626) produced in E.coli. |
| 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: | 21.8 kDa |
| Gene Name: | SSX family member 1 |
| Database Link: | NP_005626 Entrez Gene 6756 Human Q16384 |



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Background:

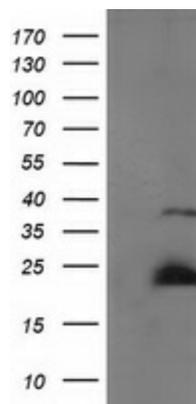
The product of this gene belongs to the family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. These proteins may function as transcriptional repressors. They are also capable of eliciting spontaneously humoral and cellular immune responses in cancer patients, and are potentially useful 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. [provided by RefSeq, Jul 2008]

Synonyms:

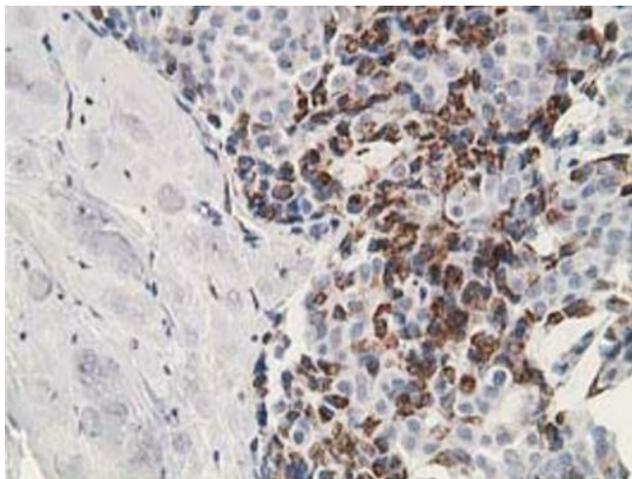
CT5.1; SSRC

Protein Families:

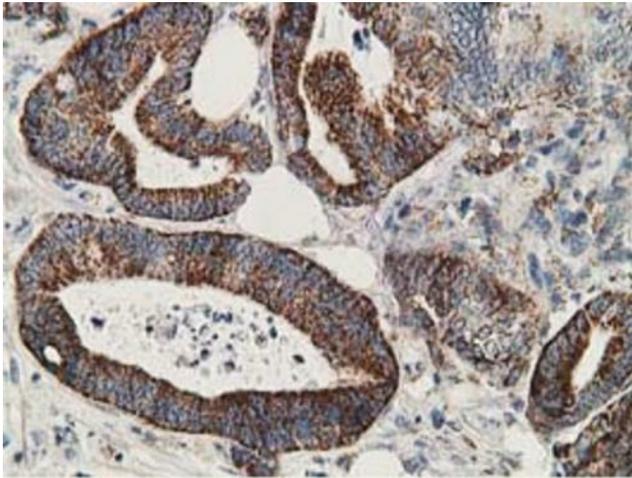
Transcription Factors

Product images:

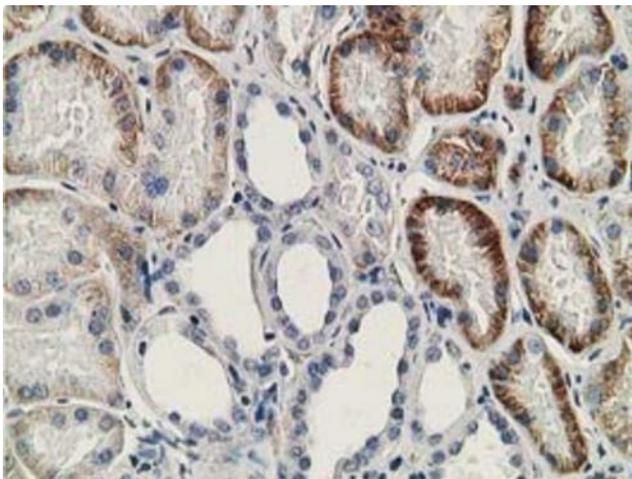
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SSX1 (Cat# [RC201600], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SSX1 (Cat# [TA502730]). Positive lysates [LY417166] (100ug) and [LC417166] (20ug) can be purchased separately from OriGene.



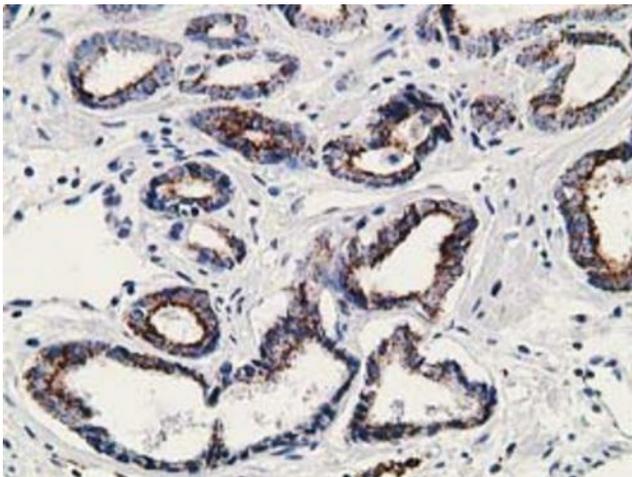
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-SSX1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502730])



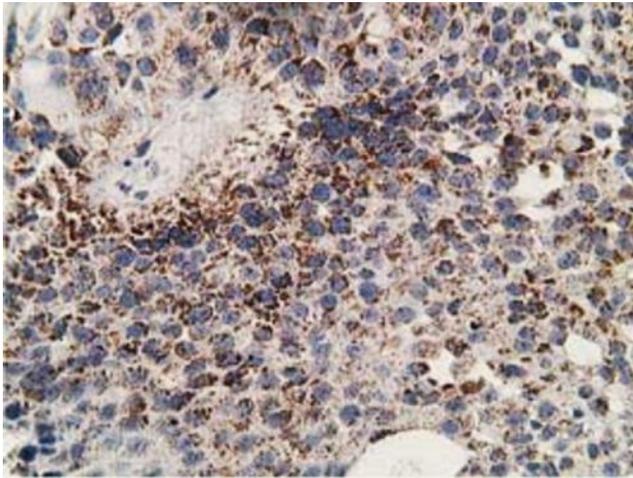
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-SSX1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502730])



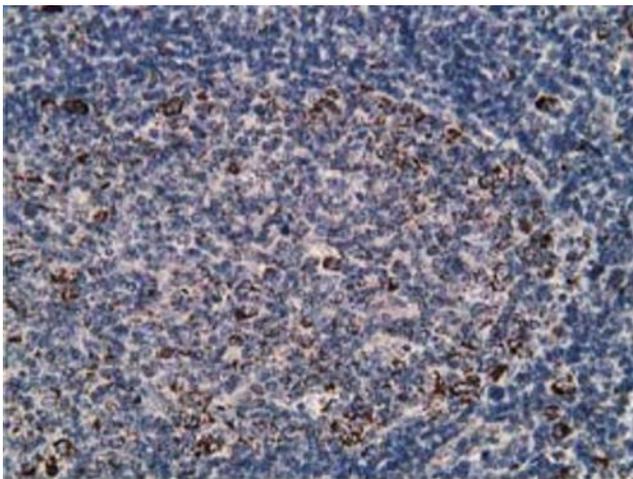
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SSX1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502730])



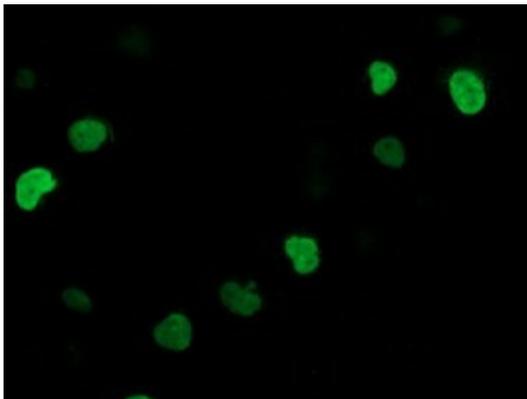
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-SSX1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502730])



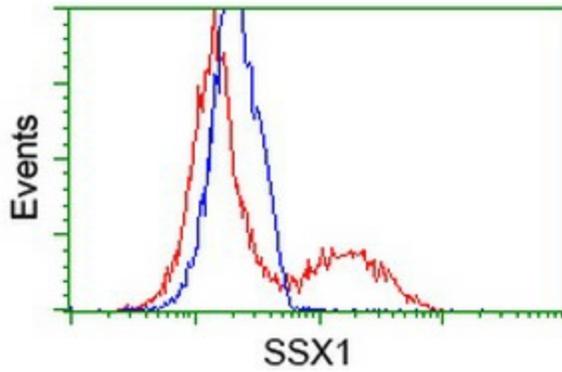
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-SSX1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502730])



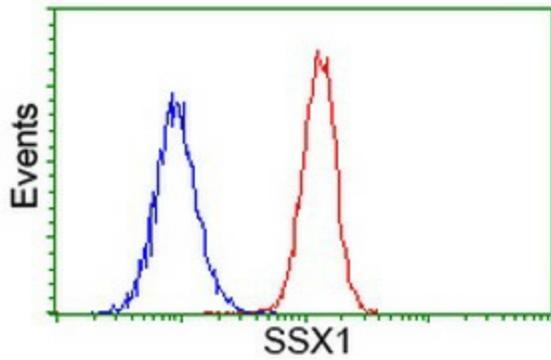
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-SSX1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502730])



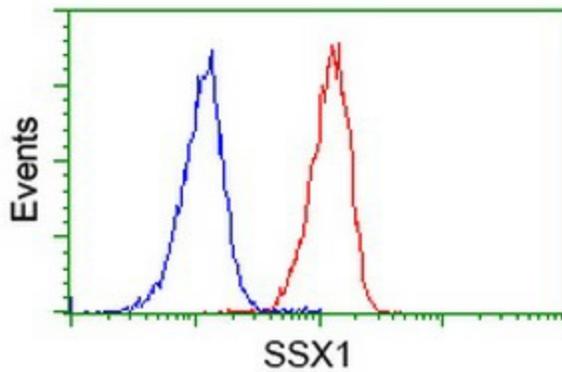
Anti-SSX1 mouse monoclonal antibody ([TA502730]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SSX1 ([RC201600]).



HEK293T cells transfected with either [RC201600] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SSX1 antibody ([TA502730]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-SSX1 antibody ([TA502730]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-SSX1 antibody ([TA502730]), (Red), compared to a nonspecific negative control antibody, (Blue).