

**Rabbit Anti-SSX2 Polyclonal: RC0309**

**Intended Use:** For Research Use Only

**Description:** SSX 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 spontaneous humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. This gene, and also the SSX1 and SSX4 family members, have been involved in t(X;18)(p11.2;q11.2) translocations that are 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 fusion products SSXT-SSX1 or SSXT-SSX2 are probably responsible for transforming activity. Heterogeneity in the position of the breakpoint can occur low frequency.

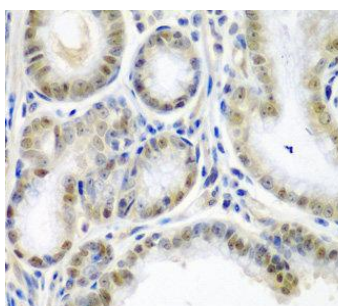
**Specifications:**

Clone: Polyclonal  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human  
 Immunogen: Recombinant fusion protein of human SSX2  
 Localization: Nucleus  
 Formulation: Purified antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
SSX2 Polyclonal Concentrated	RC0309	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Breast cancer, colon and colon cancer, ovary and ovary cancer, bladder cancer  
 Concentrated Dilution: 10-100  
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C  
 Incubation Time and Temp: Overnight at 4°C  
 Detection: Refer to the detection system manual  
 \* Result should be confirmed by an established diagnostic procedure.



FFPE human colon carcinoma stained with anti-SSX2 using DAB

**References:**

1. SSX2-4 expression in early-stage non-small cell lung cancer. Tissue Antigens. K. B. V. Greve, et al. 20 March 2014.
2. OCT2, SSX and SAGE1 reveal the phenotypic heterogeneity of spermatocytic seminoma reflecting distinct subpopulations of spermatogonia. Jasmine Lim, et al. 18 April 2011.
3. The SYT-SSX1 variant of synovial sarcoma is associated with a high rate of tumor cell proliferation and poor clinical outcome. Nilsson, G., et al. Cancer Res. 59: 3180-4, 1999.
4. Expression of SSX genes in human tumors. Tureci O., et al. Int J Cancer. 77: 19-23, 1998.

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