



SSX Monoclonal Antibody

Catalog No	YP-mAb-02230
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SSX1/SSX2/SSX3/SSX4/SSX5/SSX6/SSX7/SSX8/SSX9
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human SSX1/2/3/4/5/6/7/8/9. AA range:139-188
Specificity	SSX Monoclonal Antibody detects endogenous levels of SSX protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SSX;SSX1/SSX2/SSX3/SSX4/SSX5/SSX6/SSX7/SSX8/SSX9;Protein SSX1/Protein SSX2/Protein SSX3/Protein SSX4/Protein SSX5/Protein SSX6/Protein SSX7/Protein SSX8/Protein SSX9;SSX1;Protein SSX1;Cancer/testis antigen 5.1;CT5.1;Synovial sarcoma;X breakpoint 1;SSX2;SSX2A;SSX2B;Protein SSX2;Cancer/testis antigen 5.2;CT5.2;X breakpoint 2;Tumor antigen HOM-MEL-40;SSX3;Protein SSX3;Cancer/testis antigen 5.3;CT5.3;SSX4;SSX4A;SSX4B;Protein SSX4;Cancer/testis antigen 5.4;CT5.4;SSX5;Protein SSX5;SSX6;Putative protein SSX6;SSX7;Protein SSX7;SSX8;Protein SSX8;SSX9;Protein SSX9; X breakpoint 1; X breakpoint 2
Observed Band	25kD
Calculated Molecular Weight	25kD
Cell Pathway	nucleus,
Tissue Specificity	Expressed at high level in the testis. Expressed at low level in thyroid. Not detected in tonsil, colon, lung, spleen, prostate, kidney, striated and smooth muscles. Detected in rhabdomyosarcoma and fibrosarcoma cell lines. Not detected in mesenchymal and epithelial cell lines.



Function

disease: A chromosomal aberration involving SSX1 may be a cause of synovial sarcoma. Translocation t(X;18)(p11.2;q11.2). The translocation is specifically found in more than 80% of synovial sarcoma. 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)., function: Could act as a modulator of transcription., similarity: Belongs to the SSX family., similarity: Contains 1 KRAB-related domain., tissue specificity: Expressed at high level in the testis. Expressed at low level in thyroid. Not detected in tonsil, colon, lung, spleen, prostate, kidney, striated and smooth muscles. Detected in rhabdomyosarcoma and fibrosarcoma cell lines. Not detected in mesenchymal and epithelial cell lines., tissue specificity: Not detected in any normal or tumor tissues.,

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 spontaneous humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. This gene, and also the SSX2 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 encoded hybrid proteins are likely responsible for transforming activity. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome X. [provided by RefSeq, Jul 2013],

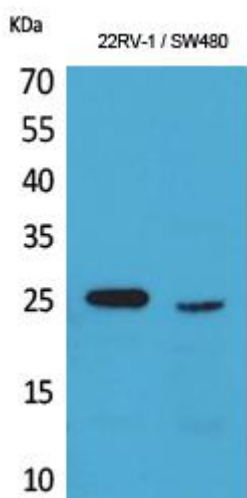
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SSX Monoclonal Antibody