Recombinant SS18-SSX (Marker of Synovial Sarcoma) Antibody

Rabbit Monoclonal Antibody [Clone SS18.SSX/12628R]

Catalog No	Format	Size
RBM1-12628-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
RBM1-12628-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
RBM1-12628-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	SS18.SSX/12628R
Gene Name	SS18
Immunogen	Recombinant fragment corresponding to the fusion site of human SS18-SSX protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	65/75kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Human synovial sarcoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant SS18-SSX (Marker of Synovial Sarcoma) Antibody

Specificity & Comments

S18 is a protein that has been shown to be a part of the SWI/SNF complex. The SS18-SSX fusion proteins are a result of in-frame fusions that fuse the SS18 gene on chromosome 18 with X chromosome genes SSX1, SSX2, and to a lesser extent SSX4. Human synovial sarcoma (SS) accounts for 8-10% of all soft tissue malignancies and 95% of these malignancies express the recurrent translocation of the SS18 gene on chromosome 18. The N-terminal SNH domain (SYT N-terminal homology domain) of the SS18 protein interacts with SWI/SNF chromatin remodeling complexes via the N terminal region of BRM and BRG1 subunits. Studies of the SS18-SSX fusion in SS suggest that endogenous SS18 competes with the mutant SS18-SSX fusion for occupancy in the SWI/SNF complexes resulting in the displacement of SNF5 (BAF47) subunit. Displacement of the SNF5 subunit results in altered function of the SWI/SNF complex that leads to deregulated expression of genes such as Sox2 in SS.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Epigenetics

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.