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SSX4 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant SSX4.
Catalog # AT4049a

Specification

SSX4 Antibody (monoclonal) (M02) - Product Information

Application	**WB, IF, E**
Primary Accession	O60224
Other Accession	NM_005636
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**21858**

SSX4 Antibody (monoclonal) (M02) - Additional Information

Gene ID 548313;6759

Other Names
Protein SSX4, Cancer/testis antigen 54, CT54, SSX4, SSX4A

Target/Specificity
SSX4 (NP_005627, 91 a.a. ~ 188 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IF~~1:50~200
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
SSX4 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

SSX4 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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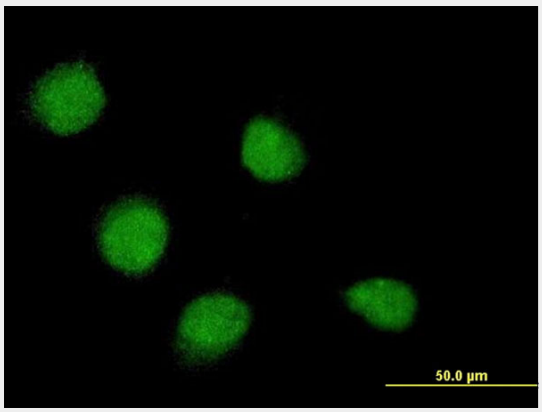
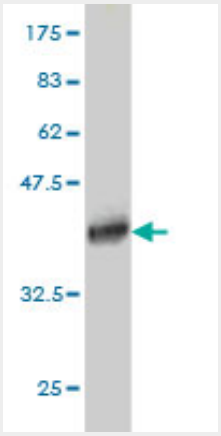
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

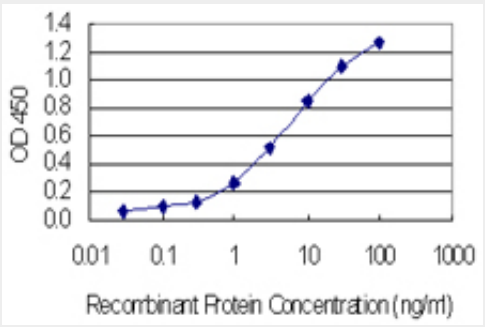
SSX4 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to SSX4 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



Detection limit for recombinant GST tagged SSX4 is approximately 3ng/ml as a capture antibody.

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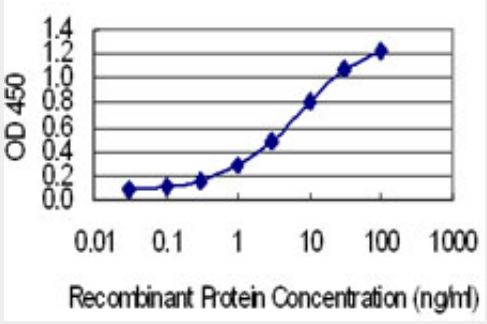
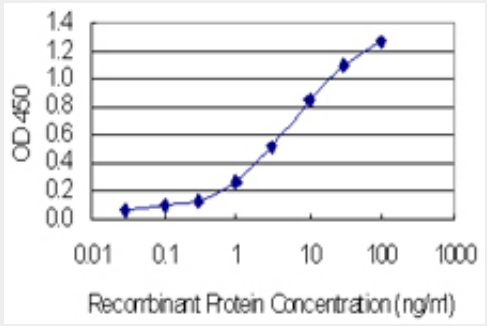


Detection limit for recombinant GST tagged SSX4 is 0.1 ng/ml as a capture antibody.



Detection limit for recombinant GST tagged SSX4 is 0.03 ng/ml as a capture antibody.

SSX4 Antibody (monoclonal) (M02) - 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. Chromosome Xp11 contains a segmental duplication resulting in two identical copies of synovial sarcoma, X breakpoint 4, SSX4 and SSX4B, in tail-to-tail orientation. This gene, SSX4, represents the more telomeric copy. Two transcript variants encoding distinct isoforms have been identified for this gene.

SSX4 Antibody (monoclonal) (M02) - References

Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.CD4+ T cell responses to SSX-4 in melanoma patients. Ayyoub M, et al. J Immunol, 2005 Apr 15. PMID 15814740.The DNA sequence of the human X chromosome. Ross MT, et al. Nature, 2005 Mar 17. PMID 15772651.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.