

Mouse SP1 Monoclonal Antibody | anti-SP1 antibody

Anti-SP1 Antibody (clone 1A5)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162237	Mouse	HumanPredicted: Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, ELISA

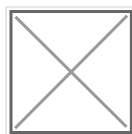
PRODUCT SYNONYMS

SP1; Monoclonal Antibody; Anti-SP1 Antibody (clone 1A5); Rabbit Polyclonal (IgG) to Human SP1; Sp1 transcription factor; Transcription factor Sp1; Specificity protein 1; TSFP1; anti-SP1 antibody

PRODUCT SPECIFICATIONS

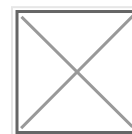
Host	Mouse
Reactivity	Human Predicted: Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1A5
Specificity	Human SP1
Purity/Purification	Purified from ascites by Protein A
Form/Format	PBS, pH 7.4.
Sequence Length	785
Applicable Applications for anti-SP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Immunogen	SP1 (NP_612482, 89 a.a. ~ 199 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C or lower. Aliquot to avoid repeated freezing and thawing.

IMAGES



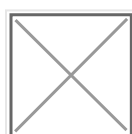
ELISA

Detection limit for recombinant GST tagged SP1 is approximately 0.1 ng/ml as a capture antibody.



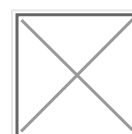
WB (Western Blot)

SP1 monoclonal antibody (M02), clone 1A5. Western blot of SP1 expression in NIH/3T3.



WB (Western Blot)

SP1 monoclonal antibody (M02), clone 1A5 Western blot of SP1 expression in HeLa NE.



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to SP1 on HeLa cell. [antibody concentration 10 ug/ml]



IHC (Immunohistochemistry)

Anti-SP1 antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SP1 antibody	Transcription factor that can activate or repress transcription in response to physiological and pathological stimuli. Binds with high affinity to GC-rich motifs and regulates the expression of a large number of genes involved in a variety of processes such as cell growth, apoptosis, differentiation and immune responses. Highly regulated by post-translational modifications (phosphorylations, sumoylation, proteolytic cleavage, glycosylation and acetylation).
Product Categories/Family for anti-SP1 antibody	Transcription factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	38372901
NCBI GeneID	6667
NCBI Accession #	NP_612482.2
NCBI GenBank Nucleotide #	NM_138473.2
UniProt Accession #	P08047; Q86TN8; Q9H3Q5; Q9NR51; Q9NY21; Q9NYE7; E4Z9M7; G5E9M8
Molecular Weight	75,824 Da
NCBI Official Full Name	transcription factor Sp1 isoform a
NCBI Official Synonym Full Names	Sp1 transcription factor
NCBI Official Symbol	SP1
NCBI Protein Information	transcription factor Sp1
UniProt Protein Name	Transcription factor Sp1
UniProt Gene Name	SP1
UniProt Synonym Gene Names	TSFP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sp1-antibody-clone-1a5-western-blot-immunohistochemistry-immunofluorescence-elisa/162237>