

Rabbit anti-Human SP1 Monoclonal Antibody | anti-SP1 antibody

SP1 Rabbit mAb

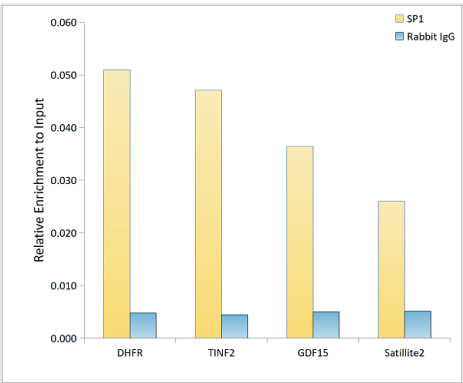
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28521	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

SP1; Monoclonal Antibody; SP1 Rabbit mAb; anti-SP1 antibody

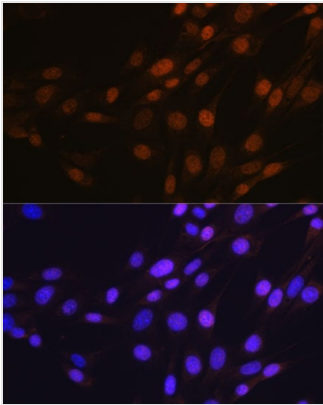
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	TTLTPIASAA SIPAGTVTVN AAQLSSMPGL QTINLSALGT SGIQVHPIQG LPLAIANAPG DHGAQLGLHG AGGDGIHDDT AGGEEGENSP DAQPQAGRRT R
Applicable Applications for anti-SP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, ChIP (Chromatin Immunoprecipitation), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB: 1:1000-1:2000 IHC-P: 1:200-1:2000 IF/ICC: 1:200-1:1000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements. ChIP: 5ug antibody for 10ug-15ug of Chromatin ChIP-seq: 1:50-1:100 CUT&Tag: 10? cells /1 ug
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human SP1 (P08047).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



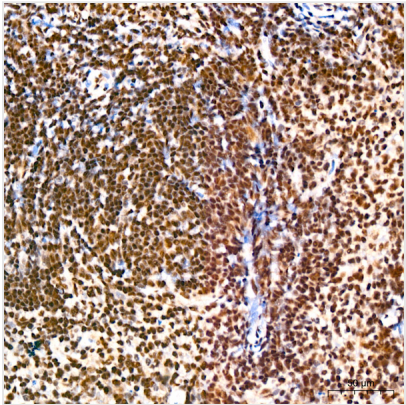
ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation analysis of extracts of 293T cells, using SP1 antibody (AAA28521) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



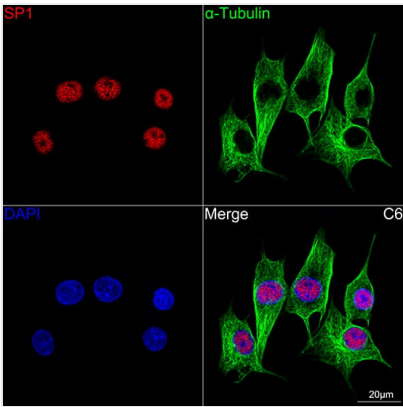
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using SP1 Rabbit mAb (AAA28521) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



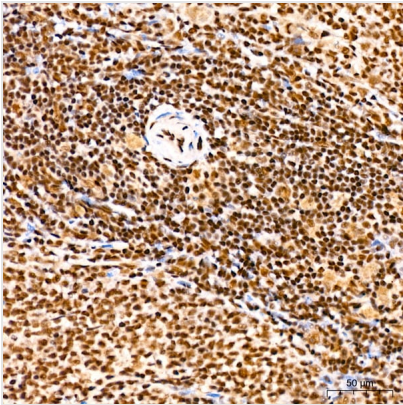
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using SP1 Rabbit mAb (AAA28521) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



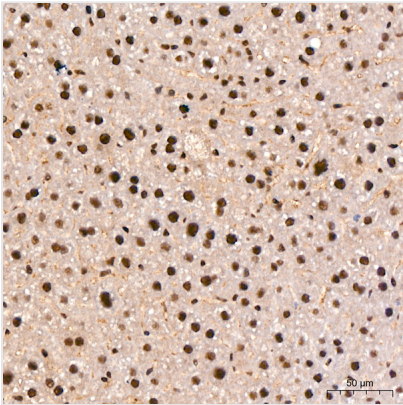
ICC (Immunocytochemistry)

Confocal imaging of C6 cells using SP1 Rabbit mAb (AAA28521, at dilution of 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using SP1 Rabbit mAb (AAA28521) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using SP1 Rabbit mAb (AAA28521) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-SP1 antibody	The protein encoded by this gene is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. The encoded protein is involved in many cellular processes, including cell differentiation, cell growth, apoptosis, immune responses, response to DNA damage, and chromatin remodeling. Post-translational modifications such as phosphorylation, acetylation, glycosylation, and proteolytic processing significantly affect the activity of this protein, which can be an activator or a repressor. Three transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-SP1 antibody	Epigenetics Nuclear Signaling ; Transcription Factors ; Endocrine Metabolism ; Mitochondrial metabolism ; Nucleotide metabolism ; Neuroscience ; Neurodegenerative Diseases ; Stem Cells ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	352962149
NCBI GeneID	6667
NCBI Accession #	NP_001238754.1
NCBI GenBank Nucleotide #	NM_001251825.1
UniProt Accession #	P08047 ; Q86TN8 ; Q9H3Q5 ; Q9NR51 ; Q9NY21 ; Q9NYE7
Molecular Weight	Calculated MW: 81kDa Observed MW: 90kDa
UniProt Protein Name	Transcription factor Sp1
UniProt Gene Name	SP1
UniProt Synonym Gene Names	TSFP1
UniProt Entry Name	SP1_HUMAN

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-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-chromatin-immunoprecipitation-chromatin-immunoprecipitation-elisa/28521>