

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

SP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283510	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

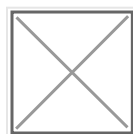
PRODUCT SYNONYMS

SP1; Monoclonal Antibody; SP1 Antibody; Transcription factor Sp1; TSFP1; anti-SP1 antibody

PRODUCT SPECIFICATIONS

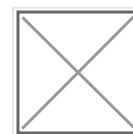
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,kappa
Clone Number	1326CT463.109.176
Specificity	This SP1 antibody is generated from a mouse immunized with a recombination protein from the human SP1.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	737
Applicable Applications for anti-SP1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Hela, Ramos cell line (from left to right), using SP1 Antibody. AAA283510 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



IF (Immunofluorescence)

Fluorescent image of Hela cells stained with SP1 Antibody. AAA283510 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Hela cells using SP1 Antibody(green) compared to an isotype control of mouse IgG1(blue). AAA283510 was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.

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). Binds also the PDGFR- alpha G-box promoter. May have a role in modulating the cellular response to DNA damage. Implicated in chromatin remodeling. Plays a role in the recruitment of SMARCA4/BRG1 on the c-FOS promoter. Plays an essential role in the regulation of FE65 gene expression. In complex with ATF7IP, maintains telomerase activity in cancer cells by inducing TERT and TERC gene expression.
Product Categories/Family for anti-SP1 antibody	Crown Antibodies ; Metabolism ; Signal Transduction
References	Haggart M.H.,et al.Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases. Takahara T.,et al.J. Biol. Chem. 275:38067-38072(2000). Kadonaga J.T.,et al.Cell 51:1079-1090(1987). Nicolas M.,et al.Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases. Handschug K.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.

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 ; E4Z9M7 ; G5E9M8
Molecular Weight	80693
NCBI Official Full Name	transcription factor Sp1 isoform c
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
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.