

Rabbit SP1 Polyclonal Antibody | anti-SP1 antibody

SP1 Antibody (C-term P692)

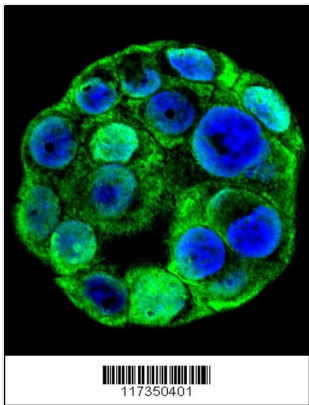
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288082	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

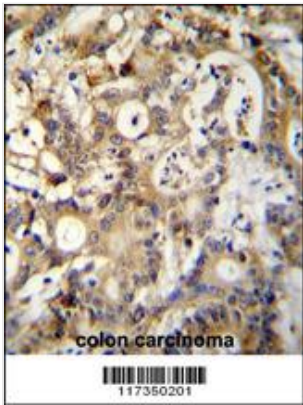
SP1; Polyclonal Antibody; SP1 Antibody (C-term P692); Transcription factor Sp1; TSFP1; anti-SP1 antibody

PRODUCT SPECIFICATIONS

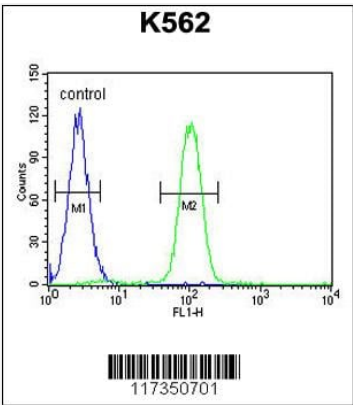
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 677-707 amino acids from the C-terminal region of human SP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	677-707
Sequence Length	737
Applicable Applications for anti-SP1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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.



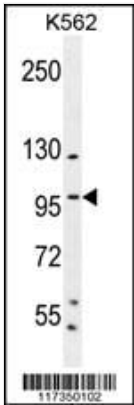
IF (Immunofluorescence)
Confocal immunofluorescent analysis of SP1 Antibody (C-term P692) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
SP1 Antibody (C-term P692) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SP1 Antibody (C-term P692) for immunohistochemistry. Clinical relevance has not been evaluated.



FCM/FACS (Flow Cytometry)
SP1 Antibody (C-term P692) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
SP1 Antibody (C-term P692) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the SP1 antibody detected the SP1 protein (arrow).

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.
Product Categories/Family for anti-SP1 antibody	Metabolism; Signal Transduction
References	Pan, Q., et al. Biochem. Biophys. Res. Commun. 401(2):306-312(2010) Mucha, M., et al. J. Neurosci. 30(40):13235-13245(2010) Imanishi, M., et al. Biochem. Biophys. Res. Commun. 400(4):625-630(2010) Jutooru, I., et al. J. Biol. Chem. 285(33):25332-25344(2010) Logotheti, S., et al. FEBS J. 277(14):3014-3027(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	352962149
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NCBI GeneID	6667
NCBI Accession #	NP_001238754.1; NP_003100.1; NP_612482.2
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sp1-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/288082>