

SP1 Rabbit mAb

Catalog No: #49316

Package Size: #49316-1 50ul #49316-2 100ul

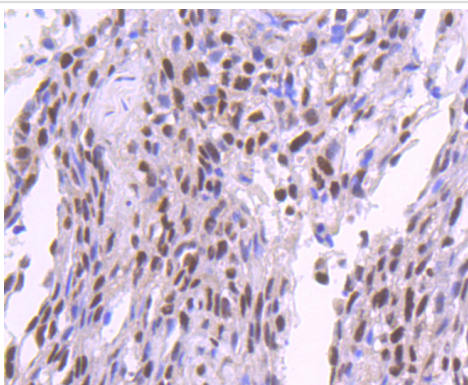
Description

Product Name	SP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JF0950
Purification	Affinity-chromatography
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu
Immunogen Description	A synthesized peptide derived from human SP1
Conjugates	Unconjugated
Other Names	SP 1 antibody SP1 antibody Sp1 transcription factor antibody SP1_HUMAN antibody Specificity protein 1 antibody Transcription factor Sp1 antibody TSFP 1 antibody TSFP1 antibody
Accession No.	Swiss-Prot#:P08047
Calculated MW	81 kDa
Formulation	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

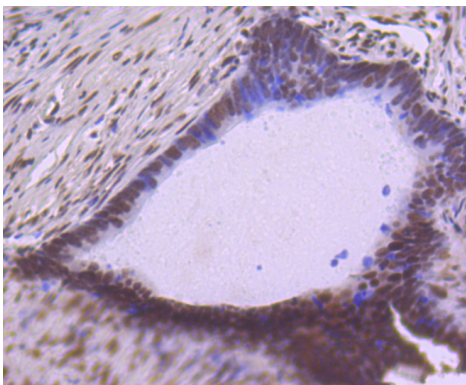
Application Details

WB 1:1000-1:2000; IHC 1:100-1:200; ICC/IF 1:50-1:200

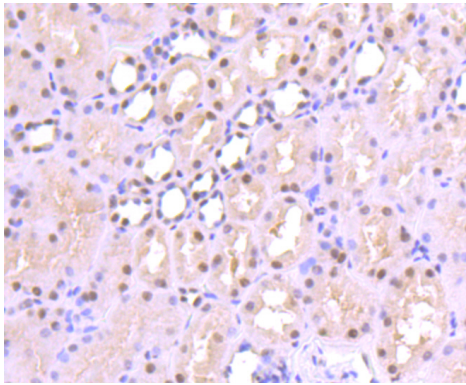
Images



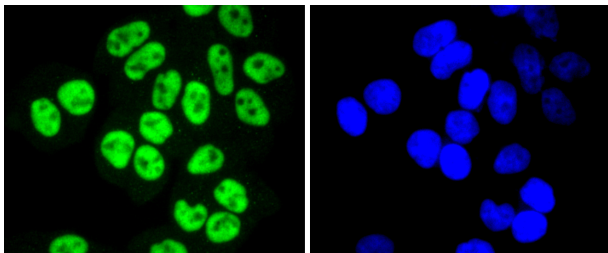
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-SP1 antibody. Counter stained with hematoxylin.



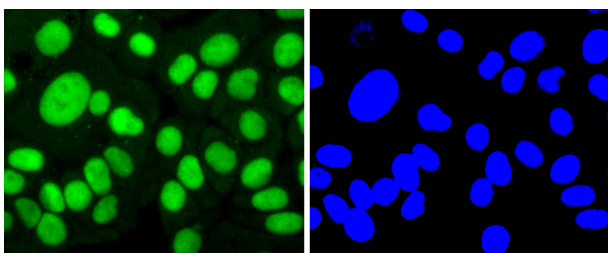
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-SP1 antibody. Counter stained with hematoxylin.



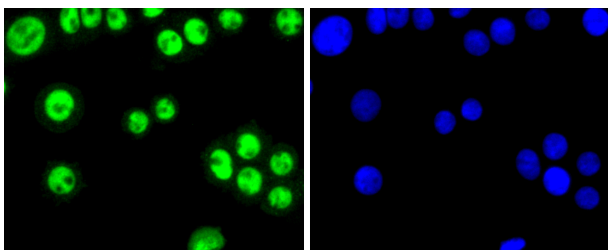
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-SP1 antibody. Counter stained with hematoxylin.



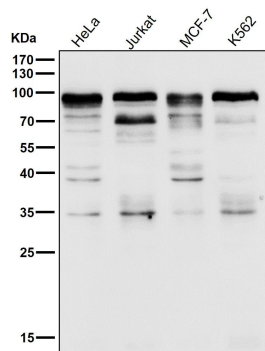
ICC staining SP1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining SP1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining SP1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Background

Sp1 is a sequence-specific transcription factor that recognizes GGGGCGGGGC and closely related sequences, which are often referred to as GC boxes. Sp1 was initially identified as a HeLa cell-derived factor that selectively activates in vitro transcription from the SV40 promoter and binds to the multiple GC boxes in the 21-bp repeated elements in SV40. The sequence specificity of DNA binding is conferred by Zn (II) fingers, whereas a different region of Sp1 appears to regulate the affinity of DNA binding. Sp1 belongs to a subgroup of transcription factors that are phosphorylated upon binding to promoter sequences. Evidence suggests that the early growth response gene, Erg-1 (also known as Zif268 or NGF1-A), may downregulate certain mammalian gene promoters by competing with Sp1 for binding to an overlapping binding motif. The gene encoding human Sp1 maps to chromosome 12q13.1.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.