

SP1 Rabbit mAb

Catalog No: #52588

Package Size: #52588-1 50ul #52588-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

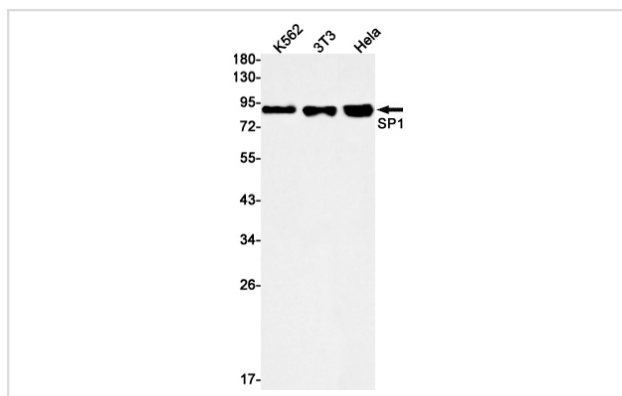
Description

Product Name	SP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-9G6
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human SP1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	TSFP1; Transcription factor SP1; transcription factor Sp1;
Accession No.	Swiss-Prot:P08047GenelD:6667
Uniprot	P08047
GenelD	6667
Calculated MW	Calculated MW: 81 kDa; Observed MW: 90 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

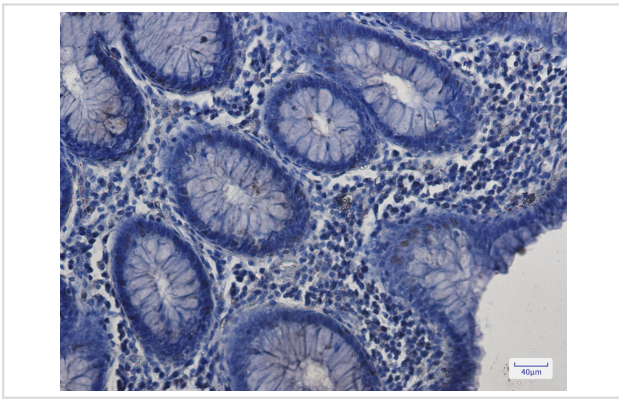
Application Details

WB: 1/1000; IHC: 1/50;

Images



Western blot detection of SP1 in K562,3T3,HeLa cell lysates using SP1 Rabbit mAb(1:1000 diluted).Predicted band size:81kDa.Observed band size:90kDa.



Immunohistochemistry of SP1 in paraffin-embedded Human colon cancer tissue using SP1 Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.P08047. 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. Isoform 3 is a stronger activator of transcription than isoform 1. Positively regulates the transcription of the core clock component ARNTL/BMAL1.

Note: This product is for in vitro research use only