

## anti- SP1 antibody

### Product Information

Catalog No.:	FNab08131
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

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.

### Immunogen information

Immunogen:	Sp1 transcription factor
Synonyms:	SP1, Sp1 transcription factor, Transcription factor Sp1, TSFP1
Observed MW:	90kd
Uniprot ID :	P08047

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[www.fn-test.com](http://www.fn-test.com)

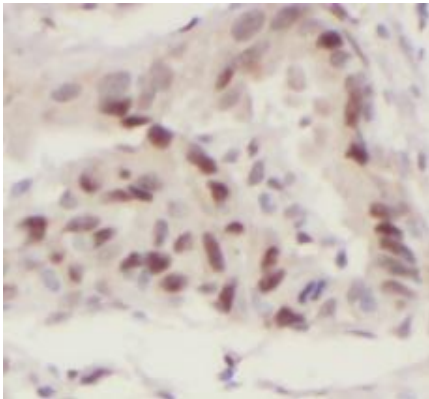
## Application

Reactivity: Human, Mouse, Rat

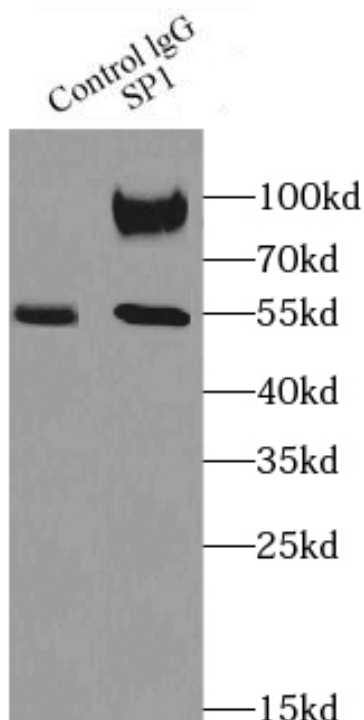
Tested Application: ELISA, WB, IP, IHC

Recommended dilution: WB: 1:500-1:2000; IP: 1:500-1:1000; IHC: 1:50-1:500; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human lung cancer tissue using FNab08131(SP1 antibody) at dilution of 1:50



IP Result of anti-SP1 (IP: FNab08131, 4ug; Detection: FNab08131 1:500) with A431 cells lysate 2500ug.

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Jurkat cells were subjected to SDS PAGE followed by western blot with FNab08131(SP1 antibody) at dilution of 1:500

