



## SP1 (ANT0049R) Rabbit mAb

CatalogNo: ANT8086 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA  
Quantity : 100 ug/vial

### Host Species

- Rabbit

### MW

- 100kD (Calculated)
- 100kD (Observed)

### Reactivity

- Human,

### Isotype

- IgG,Kappa

### Applications

- WB,IHC,IF,IP,ELISA

## Recommended Dilution Ratios

IHC 1:200-1000

WB 1:1000-5000

IF 1:200-1000

ELISA 1:5000-20000

IP 1:50-200

## Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

## Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0049R

## Target Information

Endogenous

Gene name SP1  
Protein Name Transcription factor Sp1

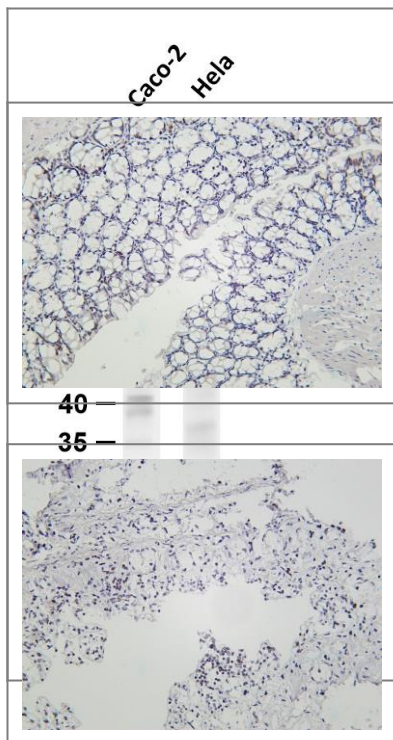
Organism	Gene ID	UniProt ID
Human	<a href="#">6667</a> ;	<a href="#">P08047</a> ;
Mouse	<a href="#">20683</a> ;	<a href="#">O89090</a> ;
Rat	<a href="#">24790</a> ;	<a href="#">Q01714</a> ;

Cellular Localization Nuclear

Tissue specificity Up-regulated in adenocarcinomas of the stomach (at protein level). Isoform 3 is ubiquitously expressed at low levels.

Function: Binds to GC box promoters elements and selectively activates mRNA synthesis from genes that contain functional recognition sites. Can interact with G/C-rich motifs from serotonin receptor promoter.,ANTM:O-glycosylated; contains N-acetylglucosamine side chains.,similarity: Belongs to the Sp1 C2H2-type zinc-finger protein family.,similarity: Contains 3 C2H2-type zinc fingers.,subunit: Interacts with ATF7IP, ATF7IP2, POGZ, HCFC1, AATF and PHC2. Interacts with varicella-zoster virus IE62 protein and HIV-1 Vpr. Interacts with SV40 VP2/3 proteins. Interacts with SV40 major capsid protein VP1; this interaction leads to a cooperativity between the two proteins in DNA binding.,

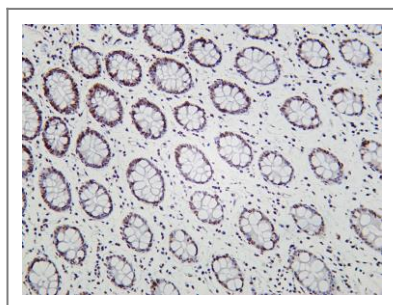
## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SP1 (ANT0049R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Caco-2 Lane 2: Hela treated with serum for 30 minutes

Predicted band size: 100kDa Observed band size: 100kDa

Mouse colon was stained with Anti-SP1 (ANT0049R) rabbit antibody



Rat colon was stained with Anti-SP1 (ANT0049R) rabbit antibody

Human colon was stained with Anti-SP1 (ANT0049R) rabbit antibody

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