



Product name:	Sp1 (I18)
Cat number:	AB-10269
Size:	200 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthesized peptide derived from human SP1.
Reactivity:	Ms, Rt, Hu
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	90kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Background:	The protein encoded by this gene is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. The encoded protein is involved in many cellular processes, including cell differentiation, cell growth, apoptosis, immune responses, response to DNA damage, and chromatin remodeling. Post-translational modifications such as phosphorylation, acetylation, glycosylation, and proteolytic processing significantly affect the activity of this protein, which can be an activator or a repressor. Three transcript variants encoding different isoforms have been found for this gene.


Western blot analysis of extracts of various cell lines, using SP1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 90s.


Immunohistochemistry of paraffin embedded rat spleen using SP1 antibody at dilution of 1:100 (40x lens).


Immunohistochemistry of paraffin Embedded mouse kidney using SP1 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of C6 cells using SP1 antibody. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using SP1 antibody. Blue: DAPI for nuclear staining.