

<b>Cat. No:</b>	AB-10269
<b>Size:</b>	200 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	A synthesized peptide derived from human SP1.
<b>Reactivity:</b>	Ms, Rt, Hu
<b>Applications:</b>	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
<b>Molecular Weight:</b>	90kDa
<b>Purification:</b>	Aff. Pur.

<b>Background:</b>	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.
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.



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.

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