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| <b>Product name:</b>     | Sp1 (I18)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cat number:</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<br>Immunofluorescence: 1:50 - 1:200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Weight:</b> | 90kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purification:</b>     | Aff. Pur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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. |



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.