



## Anti-SP1 (aa 89-198) polyclonal antibody (DPAB-DC2945)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</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>Immunogen</b>	SP1 (NP_612482, 89 a.a. ~ 198 a.a) partial recombinant protein with GST tag. The sequence is  GTGELDLTATQLSQGANGWQIISSSSGATPTSKEQSGSSTNGSNGSESSKNRTVSGGQYV VAAAPNLQNQQVLTGLPGVMPNIQYQVIPQFQTVDGQQQLQFAATGAQVQQ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">SP1 Sp1 transcription factor [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SP1
<b>Synonyms</b>	SP1; Sp1 transcription factor; transcription factor Sp1; specificity protein 1;
<b>Entrez Gene ID</b>	<a href="#">6667</a>
<b>Protein Refseq</b>	<a href="#">NP_001238754</a>
<b>UniProt ID</b>	<a href="#">P08047</a>
<b>Chromosome Location</b>	12q13.1
<b>Pathway</b>	AGE/RAGE pathway; Adipogenesis; C-MYB transcription factor network; Cellular responses to stress
<b>Function</b>	DNA binding; HMG box domain binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation