



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

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

GENE INFORMATION

Gene Name	SP1 Sp1 transcription factor [Homo sapiens (human)]
Official Symbol	SP1
Synonyms	SP1; Sp1 transcription factor; transcription factor Sp1; specificity protein 1;
Entrez Gene ID	6667
Protein Refseq	NP_001238754
UniProt ID	P08047
Chromosome Location	12q13.1
Pathway	AGE/RAGE pathway; Adipogenesis; C-MYB transcription factor network; Cellular responses to stress
Function	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