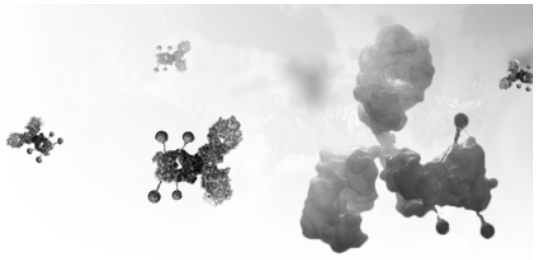

Human SP1 (phospho T453) blocking peptide (DAG-P1995)

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. [provided by RefSeq, Oct 2011]
Specificity	Up-regulated in adenocarcinomas of the stomach (at protein level).
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the Sp1 C2H2-type zinc-finger protein family.Contains 3 C2H2-type zinc fingers.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SP1 Sp1 transcription factor [Homo sapiens (human)]

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Official Symbol	SP1
Synonyms	SP1; Sp1 transcription factor; transcription factor Sp1; specificity protein 1;
Entrez Gene ID	6667
mRNA Refseq	NM_001251825.1
Protein Refseq	NP_001238754.1
UniProt ID	P08047
Chromosome Location	12q13.1
Pathway	AGE/RAGE pathway, organism-specific biosystem; Activation of Gene Expression by SREBP (SREBF), organism-specific biosystem; Adipogenesis, organism-specific biosystem; Androgen receptor signaling pathway, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Corticotropin-releasing hormone, organism-specific biosystem; Direct p53 effectors, organism-
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

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