



Rabbit Anti-Human SP1 monoclonal antibody, clone KG1061 (CABT-L860)

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

PRODUCT INFORMATION

Target	SP1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KG1061
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	81 kDa
Cellular Localization	Nucleus, Cytoplasm.
Positive Control	Jurkat, MCF-7, Hela, SW480, human colon cancer tissue, human kidney tissue, human breast carcinoma tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Sp1 is a sequence-specific transcription factor that recognizes GGGGCGGGGC and closely related sequences, which are often referred to as GC boxes. Sp1 was initially identified as a HeLa cell-derived factor that selectively activates <i>in vitro</i> transcription from the SV40 promoter and binds to the multiple GC boxes in the 21-bp repeated elements in SV40. The sequence specificity of DNA binding is conferred by Zn (II) fingers, whereas a different region of Sp1 appears to regulate the affinity of DNA binding. Sp1 belongs to a subgroup of transcription factors that are phosphorylated upon binding to promoter sequences. Evidence suggests that the early growth response gene, Erg-1 (also known as Zif268 or NGF1-A), may downregulate certain mammalian gene promoters by competing with Sp1 for binding to an overlapping binding motif. The gene encoding human Sp1 maps to chromosome 12q13.1.
Keywords	SP 1;SP1;Sp1 transcription factor;SP1_HUMAN;Specificity protein 1;Transcription factor Sp1;TSFP 1;TSFP1 antibody

GENE INFORMATION

Entrez Gene ID	6667
UniProt ID	P08047
