SP1(Phospho-Thr739) Antibody

Catalog No: #11241

Package Size: #11241-1 50ul #11241-2 100ul #11241-4 25ul

Overview

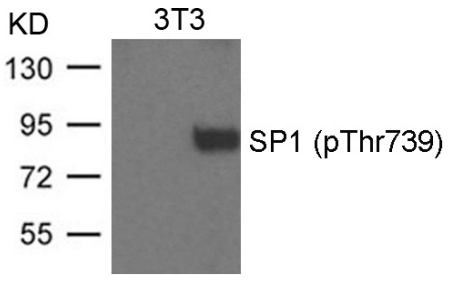
Product Name	SP1(Phospho-Thr739) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Rt
Immunogen Type	Peptide-KLH
Target Name	SP1
Modification	Phospho-Thr739
Alternative Names	TSFP1; Sp1 transcription factor;

Application Details

Predicted MW: 90kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from 3T3 cells treated with starvation using SP1(Phospho-Thr739) Antibody #11241.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine 739 (T-A-T(p)-P-S) derived from human SP1
Specificity	The antibody detects endogenous levels of SP1 only when phosphorylated at threonine 739.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P08047NCBI Protein: NP_612482.2

Related Information

Transcription factor that can activate or repress transcription in response to physiological and pathological stimuli. Binds with high affinity to GC-rich motifs and regulates the expression of a large number of genes involved in a variety of processes such as cell growth, apoptosis, differentiation and immune responses. Highly regulated by post-translational modifications (phosphorylations, sumoylation, proteolytic cleavage, glycosylation and acetylation). Binds also the PDGFR-a G-box promoter. May have a role in modulating the cellular response to DNA damage. Implicated in chromatin remodeling. Plays a role in the recruitment of SMARCA4/BRG1 on the c-FOS promoter. Plays an essential role in the regulation of FE65 gene expression.

Thiesen HJ,et al.(1990)Nucleic Acids Res.18(11):3203-9.
Zutter MM,et al.(1997) Blood.90(2):678-89.
Lou Z,et al.(2005)Cancer Res.65(3):1007-17