Product Datasheet

SP1(Phospho-Thr739) Antibody

Catalog No: #11241

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

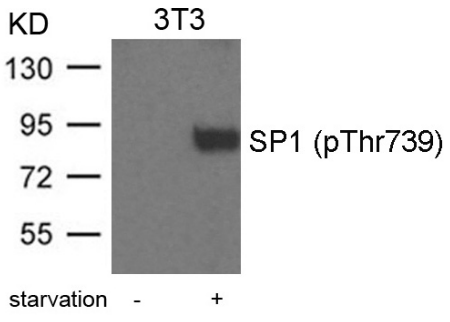
Product Name	SP1(Phospho-Thr739) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of SP1 only when phosphorylated at threonine 739.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 739 (T-A-T(p)-P-S) derived from human SP1
Target Name	SP1
Modification	Phospho
Other Names	TSFP1; Sp1 transcription factor;
Accession No.	Swiss-Prot: P08047NCBI Protein: NP_612482.2
Uniprot	P08047
GeneID	6667;
Concentration	1.0mg/ml
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.

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.

Background

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

Note: This product is for in vitro research use only