

SP1(Phospho-Thr739) Antibody

Catalog No: #11241



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

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

Description

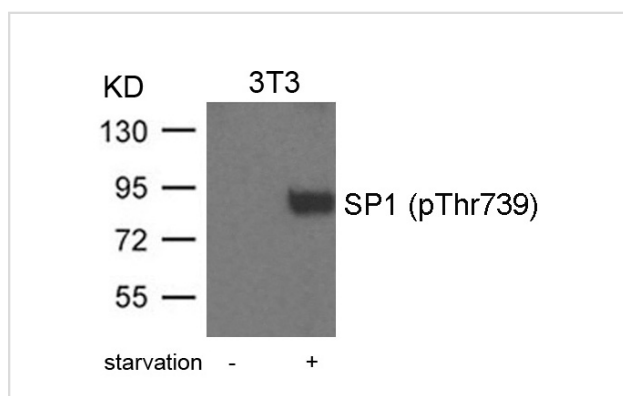
Product Name	SP1(Phospho-Thr739) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
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
Conjugates	Unconjugated
Target Name	SP1
Modification	Phospho
Other Names	TSFP1; Sp1 transcription factor;
Accession No.	Swiss-Prot: P08047NCBI Protein: NP_612482.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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- α 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

Published Papers

el at., Synergistic effects of c-Jun and SP1 in the promotion of TGF ϵ° Y1-mediated diabetic nephropathy progression. In *Exp Mol Pathol* on 2016 Jun by Pan Gao, Yingze Wei et al.. PMID:27112839, , (2016)

[PMID:27112839](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.