

## Sp1(Phospho Thr739) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP14390
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SP1 around the phosphorylation site of Thr739. AA range:706-755
<b>Mol wt</b>	80693
<b>Species reactivity</b>	Human, Mouse, Rat, Monkey
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Transcription factor Sp1
<b>Synonyms</b>	Transcription factor Sp1; SP1; TSFP1; Transcription factor Sp1

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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.

### Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

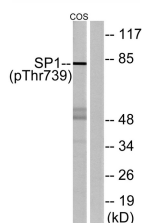
ELISA: 1: 5000

Not yet tested in other applications.

### Images



Western Blot analysis of various cells using Phospho-Sp1 (T739) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from COS7 cells treated with serum 20% 15', using SP1 (Phospho-Thr739) Antibody.

The lane on the right is blocked with the phospho peptide.

## Storage

-20°C for 1 year

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