

## Product datasheet for **TA303043**

### SP1 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:16,000. WB: 0.3-1 µg/ml.
Reactivity:	Human, Mouse (Expected from sequence similarity: Rat, Dog, Pig, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence CSRIESPENSNNSQ, from the internal region of the protein sequence according to NP_612482.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Sp1 transcription factor
Database Link:	<a href="#">NP_003100</a> <a href="#">Entrez Gene 20683 MouseEntrez Gene 24790 RatEntrez Gene 486507 DogEntrez Gene 6667 Human P08047</a>
Background:	Binds to GC box promoters elements and selectively activates mRNA synthesis from genes that contain functional recognition sites. Can interact with G/C-rich motifs from serotonin receptor promoter
Synonyms:	Sp1 transcription factor; specificity protein 1



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**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

**Protein Pathways:** Huntington's disease, TGF-beta signaling pathway

**Product images:**



TA303043 staining (0.3ug/ml) of HeLa lysate (RIPA buffer, 30ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.