

Product Data Sheet

Purified anti-Sp1

Catalog # / Size: 624701 / 125 µl (5 Western Blots)
624702 / 500 µl (20 Western Blots)

Clone: Poly6247

Isotype: Rabbit IgG

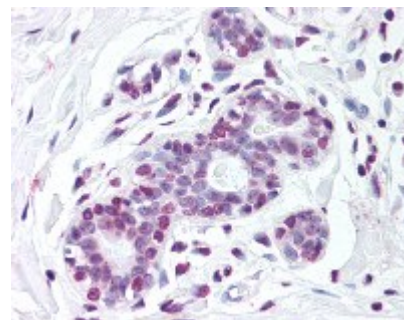
Immunogen: Peptide mapping to internal domain of human Sp1

Reactivity: Mouse, Rat, Human

Preparation: This antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin.

Storage: The antibody solution should be stored undiluted at 4°C. DO NOT FREEZE.



Formalin-fixed paraffin-embedded human breast tissue was stained with Poly6247 and developed with an alkaline phosphatase chromogen substrate (red color). Tissue was counterstained with H&E (blue/pink). Magnification, 40X.

Applications:

Applications: WB - Quality tested
IHC - Validated

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 25 µl per 5 ml antibody dilution buffer for each mini-gel. For IHC, use a 1:50 dilution of antibody for staining. Antigen retrieval for IHC of formalin-fixed paraffin-embedded tissue using 0.01 M sodium citrate buffer is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Description: The sequence-specific transcription factor Sp1 binds GC box sequences in the promoters of a variety of genes. The 97 kD Sp1 transcription factor contains two zinc finger domains that determine sequence specificity of binding to the 5'-GGGGCGGGGC-3'. This transcription factor regulates nucleoside, nucleotide and nucleic acid metabolism and many other "housekeeping" genes. Sp1 can be modified by phosphorylation by the upstream kinase ERK1 and has been shown to interact with a large number of proteins. The transcriptional activity of Sp1 has been shown to be disrupted in early Huntington's disease. The Poly6247 antibody recognizes human, mouse, and rat Sp1 and has been shown to be useful for Western blotting.

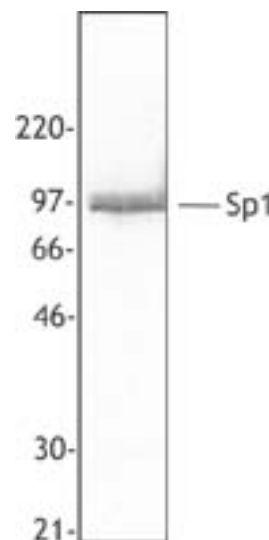
Antigen References: 1. Liang Y, et al. 1996. *J. Biol. Chem.* 271:11792.
2. Hagen G, et al. 1994. *EMBO J* 13:3843.
3. Hagen G, et al. 1992. *Nucleic Acids Res.* 20:5519.

Related Products:

Product
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
Poly4064

Application
ELISA, IHC, WB



Jurkat cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-Sp1 polyclonal antibody. Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system.



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