

Product Datasheet

SP1 Antibody - BSA Free NB600-232

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB600-232

SP1 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

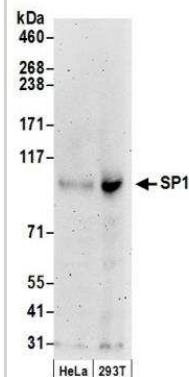
Product Description	
Host	Rabbit
Gene ID	6667
Gene Symbol	SP1
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residues 700 and 740 using the numbering given in entry XP_028606.4 (GeneID 6667).

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:10000 - 1:25000, Immunohistochemistry 1:500 - 1:2000, Immunoprecipitation 1 - 4 ug/mg of lysate, Immunohistochemistry-Paraffin 1:500 - 1:2000, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. Chip, WB reactivity reported in scientific literature (PMID: 22402494).

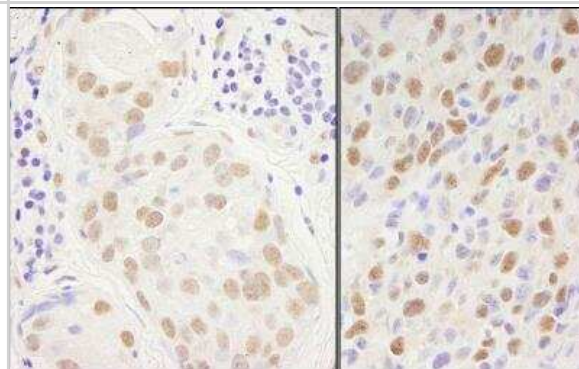


Images

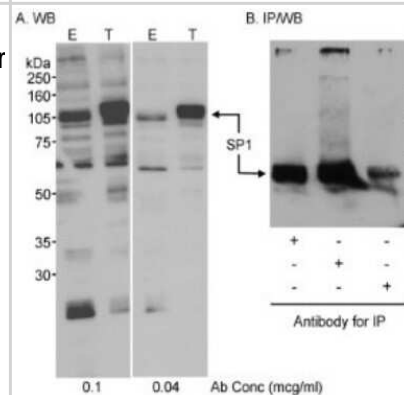
Western Blot: SP1 Antibody [NB600-232] - Detection of Human SP1 by Western Blot. Whole cell lysate (50 ug) from HeLa and 293T cells prepared using NETN lysis buffer. Affinity purified rabbit anti-SP1 antibody (NB600-232) used for WB at 0.04 ug/mL. Detection by chemiluminescence with an exposure time of 3 minutes.



Immunohistochemistry-Paraffin: SP1 Antibody [NB600-232] - FFPE sections of human breast carcinoma (left) and mouse squamous cell carcinoma (right). Affinity purified rabbit anti-Sp1 used at a dilution of 1:1,000 (1 ug/mL). Detection by DAB.



Western Blot: SP1 Antibody [NB600-232] - A. Whole cell lysate (50 ug for E; 10 ug for T) from HEK 293T cells that were mock transfected (E) or transfected with an Sp1 expression construct (T). B. Whole cell lysate (~700 ug) from HEK 293T cells. A. Affinity purified rabbit anti-Sp1 antibody used at the indicated concentrations. B. SP1 was immunoprecipitated using affinity purified rabbit anti-SP1 antibodies BL937, using each antibody at 3.75 ug/mg lysate. Subsequently, was used at 0.04 ug/mL for WB. Detection by chemiluminescence with an exposure time of 10 seconds (A) or 1 min (B).



Publications

Bell CR, Pelly VS, Moeini A et al. Chemotherapy-induced COX-2 upregulation by cancer cells defines their inflammatory properties and limits the efficacy of chemoimmunotherapy combinations *Nature communications* 2022-04-19 [PMID: 35440553] (WB, Mouse)

Yin Q, Chang H, Shen Q, Xing D Photobiomodulation therapy promotes the ATP-binding cassette transporter A1-dependent cholesterol efflux in macrophage to ameliorate atherosclerosis *Journal of cellular and molecular medicine* 2021-05-05 [PMID: 33951300]

Kwon SM, Min S, Jeoun UW et al. Global spliceosome activity regulates entry into cellular senescence *FASEB journal : official publication of the Federation of American Societies for Experimental Biology* 2021-01-01 [PMID: 33337569] (Chemotaxis, Human)

Wu JB, Chen K, Li Y et al. Regulation of monoamine oxidase A by the SRY gene on the Y chromosome. *FASEB J* 2009-11-01 [PMID: 19661285]

Wu JB, Chen K, Ou XM et al. Retinoic acid activates monoamine oxidase B promoter in human neuronal cells. *J Biol Chem* 2009-06-01 [PMID: 19401466]

Gui J, Song Y, Han NL et al. Involvement of the GC-rich sequence and specific proteins (Sp1/Sp3) in the basal transcription activity of neurogranin gene. *Biochem Biophys Res Commun* 2006-06-01 [PMID: 16677608]

Koizume S, Ito S, Miyagi E et al. HIF2 alpha-Sp1 interaction mediates a deacetylation-dependent FVII-gene activation under hypoxic conditions in ovarian cancer cells *Nucleic Acids Res* 2012-03-08 [PMID: 22402494] (WB, Chemotaxis, Human)





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Products Related to NB600-232

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00006667-Q01-10ug	Recombinant Human SP1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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