

Product Datasheet

Brg1 Antibody NB100-2594

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 7

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NB100-2594

Brg1 Antibody

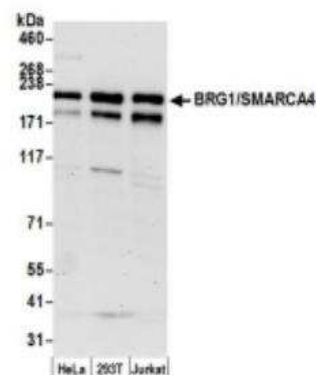
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

Product Description	
Description	Novus Biologicals Rabbit Brg1 Antibody (NB100-2594) is a polyclonal antibody validated for use in IHC, WB, IP and ChIP. Anti-Brg1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6597
Gene Symbol	SMARCA4
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 75 and 125 of human BRG1/SMARCA4 using the numbering given in entry NP_003063.2 (GeneID 6597).

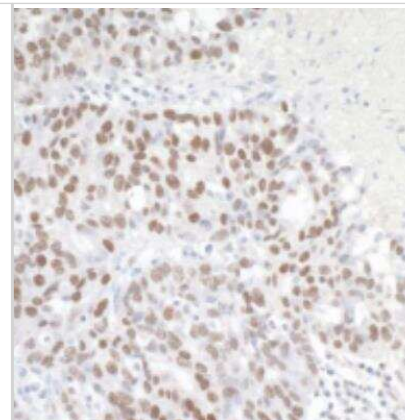
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:250-1:2000, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:250 - 1:2000, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	Use in chromatin immunoprecipitation reported in scientific literature (PMID 24335282). Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

Images

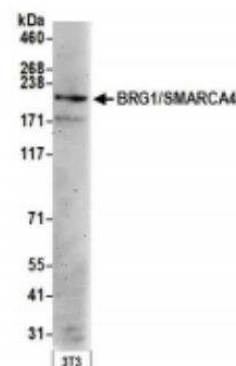
Western Blot: Brg1 Antibody [NB100-2594] - Whole cell lysate (15 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-BRG1/SMARCA4 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



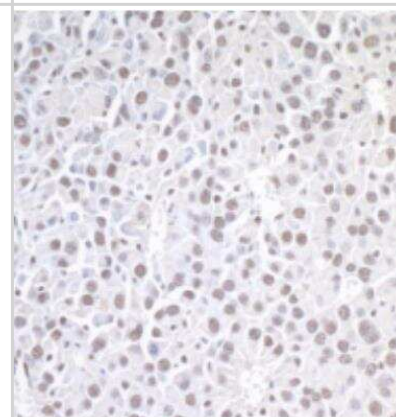
Immunohistochemistry-Paraffin: Brg1 Antibody [NB100-2594] - Section of human ovarian carcinoma. Antibody: Affinity purified rabbit antiBRG1/SMARCA4 used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



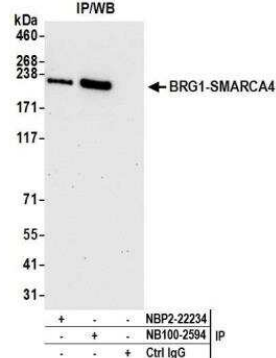
Western Blot: Brg1 Antibody [NB100-2594] - Whole cell lysate (15 ug) from NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-BRG1/SMARCA4 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunohistochemistry-Paraffin: Brg1 Antibody [NB100-2594] - Section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit antiBRG1/SMARCA4 used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



Immunoprecipitation: Brg1 Antibody [NB100-2594] - Detection of human BRG1-SMARCA4 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-BRG1-SMARCA4 antibody NB100-2594 used for IP at 3 ug per reaction. BRG1-SMARCA4 was also immunoprecipitated by rabbit anti-BRG1-SMARCA4 antibody NBP-22234. For blotting immunoprecipitated BRG1-SMARCA4, NB100-2594 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Publications

Day C, Yaşar P, Adedoyin G et al. Altered cofactor recruitment and nucleosome dynamics underlie bisphenol A's impact on ER α -mediated transcriptional bursting iScience 2025-07-18 [PMID: 40678530]

Quillien A, Gilbert G, Boulet M et al. Prmt5 promotes vascular morphogenesis independently of its methyltransferase activity PLOS Genetics 2021-06-21 [PMID: 34153034]

Hoffman J, Muse G, Langer L et al. BRG1 establishes the neuroectodermal chromatin landscape to restrict dorsal cell fates bioRxiv 2023-06-25 (Human)

Singh AP, Foley JF, Rubino M et al. Brg1 enables rapid growth of the early embryo by suppressing genes that regulate apoptosis and cell growth arrest. Mol. Cell. Biol. 2016-05-16 [PMID: 27185875] (Chemotaxis, IP, WB, Mouse)

Singh AP, Archer TK. Analysis of the SWI/SNF chromatin-remodeling complex during early heart development and BAF250a repression cardiac gene transcription during P19 cell differentiation. Nucleic Acids Res 2014-03-01 [PMID: 24335282] (IP, Chemotaxis, Mouse)

Miyamoto K, Pasque V, Jullien J et al. Nuclear actin polymerization is required for transcriptional reprogramming of Oct4 by oocytes. Genes Dev 2011-05-01 [PMID: 21536734]

Goldman JA, Garlick JD, Kingston RE. Chromatin remodeling by imitation switch (ISWI) class ATP-dependent remodelers is stimulated by histone variant H2A.Z. J Biol Chem 2010-02-12 [PMID: 19940112]





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Products Related to NB100-2594

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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