

Product Datasheet

Brg1 Antibody NB100-2594

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-2594**Brg1 Antibody**

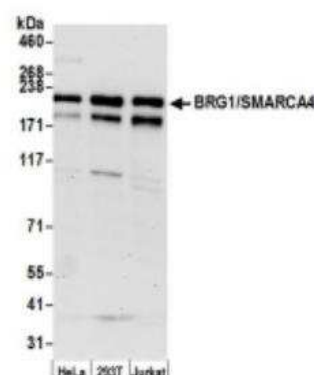
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

Product Description	
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).

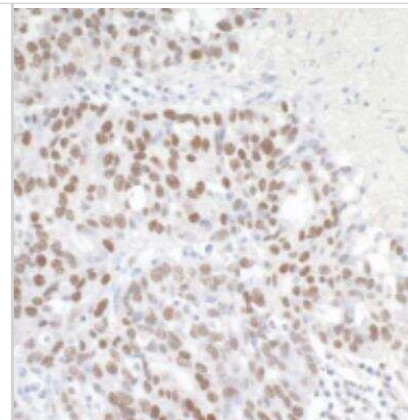
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:250-1:2000, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 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

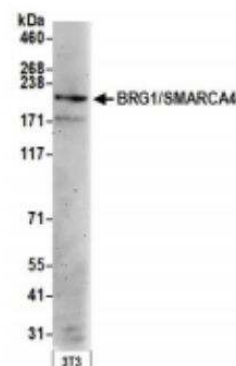
Western Blot: Brg1 Antibody [NB100-2594] - Whole cell lysate (15 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-BRG1/SMARCA4 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



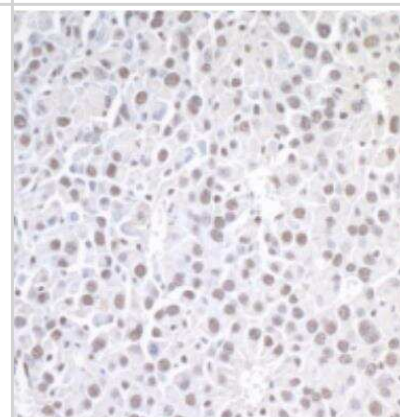
Immunohistochemistry-Paraffin: Brg1 Antibody [NB100-2594] - Section of human ovarian carcinoma. Antibody: Affinity purified rabbit antiBRG1/SMARCA4 used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



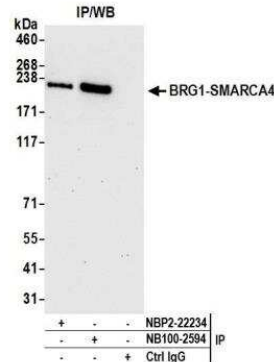
Western Blot: Brg1 Antibody [NB100-2594] - Whole cell lysate (15 ug) from NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-BRG1/SMARCA4 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



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

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

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

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

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51811-0.1mg	Recombinant Human Brg1 His 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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