

Product Datasheet

BRM Antibody NB100-55308

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 1

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NB100-55308

BRM 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

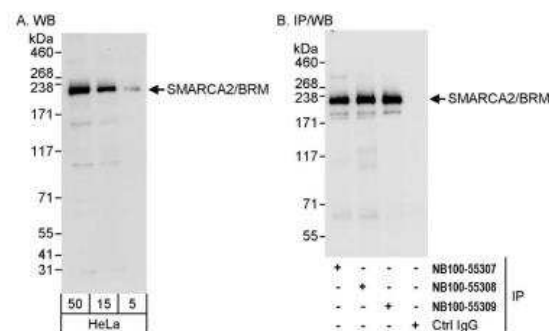
Product Description	
Description	Novus Biologicals Rabbit BRM Antibody (NB100-55308) is a polyclonal antibody validated for use in WB and IP. Anti-BRM Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6595
Gene Symbol	SMARCA2
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 100 and 150 of human SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 using the numbering given in entry CAA51407.1 (GeneID 6595).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2 - 5 ug/mg lysate



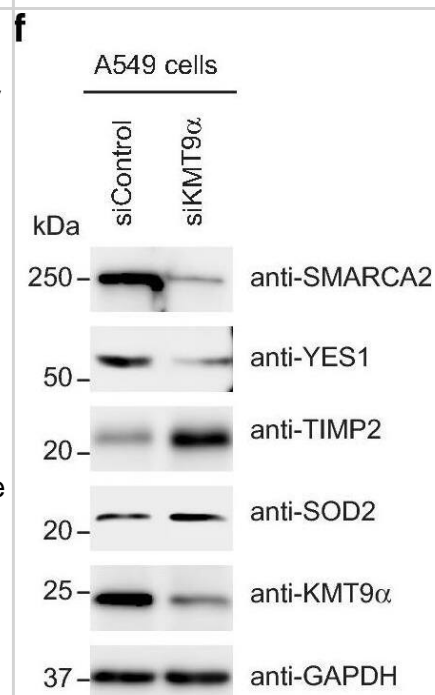
Images

Western Blot: BRM Antibody [NB100-55308] - Detection of human SMARCA2/BRM by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-SMARCA2/BRM antibody NB100-55308 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. SMARCA2/BRM was also immunoprecipitated by rabbit anti-SMARCA2/BRM antibodies NB100-55307 and NB100-55309, which recognize other epitopes. Detection: Chemiluminescence with exposure times of 10 seconds (A) and 3 seconds (B).



KMT9 controls expression of genes involved in the organization of organelles, cells death and cell proliferation. a Venn diagram showing overlap and number of genes/proteins in A549 cells that are differentially expressed upon RNAi mediated knock-down of KMT9 α ($\log_2(\text{fold-change}) > \pm 0.26$). In total, 460 targets are concomitantly up- or down-regulated on RNA and protein level upon knock-down of KMT9 α .

Enriched GO_cellular components b and GO_biological processes c gene sets obtained for the indicated 460 KMT9 α -regulated target genes. d Heat map displaying mRNA levels of the 460 KMT9 α -regulated genes involved in cell proliferation (GO:0042127) in A549 cells treated with siControl or siKMT9 α #1. e RNA sequencing reads (left panel) and mass spectrometry volcano plot (right panel) for the indicated genes and proteins are represented exemplarily. f Western blot displaying expression of the target proteins indicated in e upon knock-down of KMT9 α in A549 cells. The indicated antibodies were used. g Quantitative real-time PCR analysis of the mRNA expression of the target genes displayed in e after knock-down of KMT9 α . Data represent means + standard deviation. Significance was accessed by two-tailed t test, n = 3 (TIMP2 n = 6) Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32095117>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Baumert HM, Metzger E, Fahrner M et al. Depletion of histone methyltransferase KMT9 inhibits lung cancer cell proliferation by inducing non-apoptotic cell death *Cancer Cell Int.* 2020-02-17 [PMID: 32095117] (WB, Human)



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Products Related to NB100-55308

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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