

Product Datasheet

ARID1A Antibody - BSA Free

NB100-55334

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-55334

ARID1A 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)

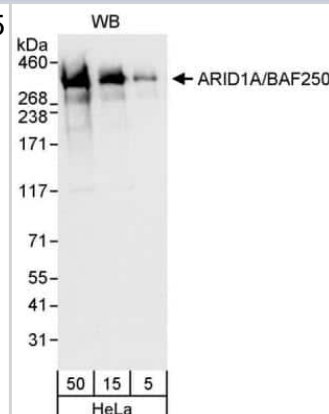
Product Description	
Host	Rabbit
Gene ID	8289
Gene Symbol	ARID1A
Species	Human, Mouse, Zebrafish
Reactivity Notes	Mouse, Zebrafish reactivity reported from verified customer reviews.
Immunogen	The immunogen recognized by this antibody maps to a region between residue 750 and 800 of human AT rich interactive domain 1A (BRG1-associated factor 250kD) using the numbering given in entry NP_006006.3 (GeneID 8289).

Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation (ChIP), Immunoprecipitation (Negative)
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation (Negative), Chromatin Immunoprecipitation (ChIP)
Application Notes	Use in chromatin immunoprecipitation reported in scientific literature (PMID: 30337622). Immunoprecipitation Not recommended. ARID1A antibody validated for WB from verified customer reviews.

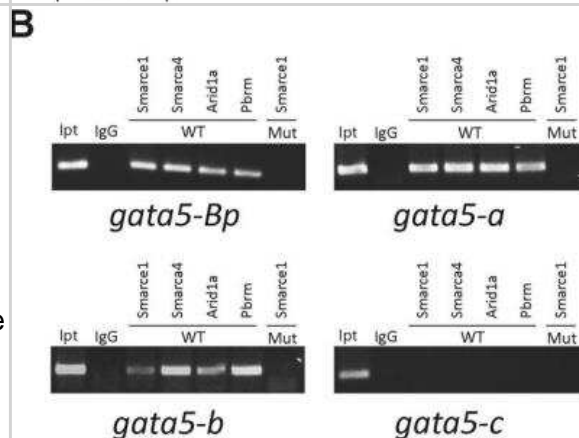


Images

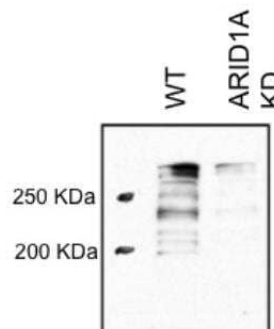
Western Blot: ARID1A Antibody [NB100-55334] - Whole cell lysate (5, 15 and 50 ug) from HeLa cells. Antibody used for WB at 0.1 ug/ml.



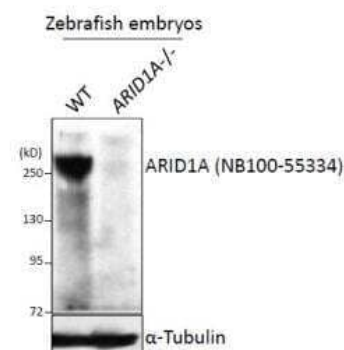
Chromatin Immunoprecipitation: ARID1A Antibody [NB100-55334] - In vivo Smarce1-binding sites were detected by chromatin immunoprecipitation using a SMARCE1 antibody. Cropped gel images representing typical results from ChIP assays in: the regulatory module located from the transcription initiation site +1 to -1415, which includes the basic promoter (*gata5-Bp*), the module located from -1469 to -1892 (*gata5-A*), the module located from -7823 to -8213 (*gata5-B*) and the module located from -16805 to -17147 (*gata5-C*). IgG, Smarce1, Smarca4, Arid1a and Pbrm indicate the PCR products from genomic DNA precipitated using the corresponding antibody. WT and Mut indicate the source of genomic DNA. The input is the PCR product from the total input genomic DNA. Full-length gels are presented in Supplementary Figure 3. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-018-33746-8>), licensed under a CC-BY license.



Western Blot: ARID1A Antibody [NB100-55334] - Mouse embryonic fibroblasts nuclear extract at 1:1000 dilution. (Nuclear extract instead of whole cell lysate provides much better signal.) Image provided via verified customer review.



Western Blot: ARID1A Antibody [NB100-55334] - Analysis of ARID1A in zebrafish embryos using anti-ARID1A antibody. Image from verified customer review.



Publications

Yakovlev VA, Sullivan SA, Fields EC, Temkin SM. PARP inhibitors in the treatment of ARID1A mutant ovarian clear cell cancer: PI3K/Akt1-dependent mechanism of synthetic lethality *Frontiers in Oncology* 2023-02-22 [PMID: 36910637] (Western Blot, Block/Neutralize)

Shi H, Tao T, Abraham B et al. ARID1A loss in neuroblastoma promotes the adrenergic-to-mesenchymal transition by regulating enhancer-mediated gene expression *Sci. Adv.* 2020-07-01 [PMID: 32832616] (WB, Zebrafish)

Bullard WL, Kara M, Gay LA et al. Identification of murine gammaherpesvirus 68 miRNA-mRNA hybrids reveals miRNA target conservation among gammaherpesviruses including host translation and protein modification machinery *PLoS Pathog.* 2019-08-01 [PMID: 31393953] (WB, Mouse)

Castillo-Robles J, Ramirez L, Spaink HP, Lomeli H. smarce1 mutants have a defective endocardium and an increased expression of cardiac transcription factors in zebrafish. *Sci Rep.* 2018-10-18 [PMID: 30337622] (Chemotaxis, Zebrafish)

Wurster AL, Precht P, Pazin MJ et al. NF- κ B and BRG1 bind a distal regulatory element in the IL-3/GM-CSF locus. *Mol Immunol* 2011-09-01 [PMID: 21831442]





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Products Related to NB100-55334

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00008289-Q01-10ug	Recombinant Human ARID1A 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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