BOSTER BIOLOGICAL TECHNOLOGY
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Anti-ARID1A Antibody

Catalog Number: A00247

About ARID1A

The ARID1A protein is a member of the SWI/SNF family, whose members are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. ARID1A is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin (1). It possesses a DNA-binding domain that can specifically bind an AT-rich DNA sequence known to be recognized by a SNF/SWI complex at the beta-globin locus. The C-terminus of the protein can stimulate glucocorticoid receptor-dependent transcriptional activation. It is thought that ARID1A confers specificity to the SNF/SWI complex and may recruit the complex to its targets through either protein-DNA or protein-protein interactions (2).

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Overview

Product Name	Anti-ARID1A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ARID1A Antibody (Catalog # A00247). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ARID1A antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	ARID1A antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	O14497

Technical Details

Immunogen	ARID1A antibody was raised against an 18 amino acid peptide near the amino terminus of human ARID1A. The immunogen is located within amino acids 580 - 630 of ARID1A.
Predicted Reactive Species	Chicken
Cross Reactivity	ARID1A antibody is human, mouse and rat reactive. Multiple isoforms of ARID1A protein are known

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	to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ARID1A antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ARID1A antibody can be used for detection of ARID1A by Western blot at 1 - 2 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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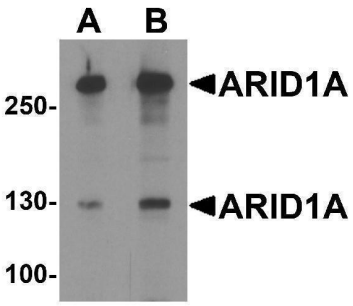
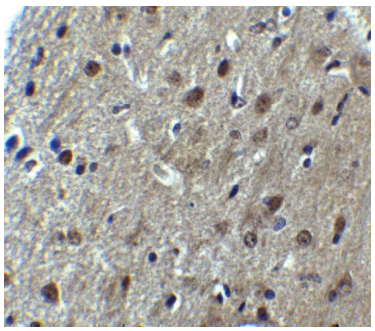
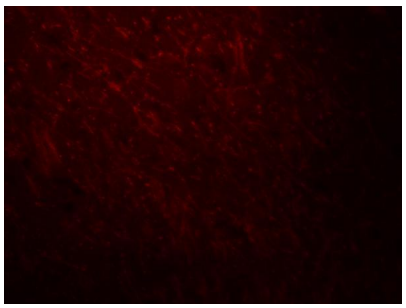
Anti-ARID1A Antibody (A00247) Images



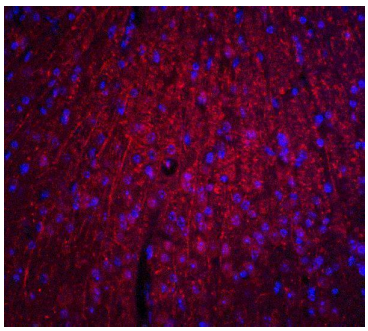
Western blot analysis of ARID1A in SK-N-SH cell lysate with ARID1A antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of ARID1A in mouse brain tissue with ARID1A antibody at 5 ug/mL.



Immunofluorescence of ARID1A in mouse brain tissue with ARID1A antibody at 20 ug/ml.



Immunofluorescence of ARID1A in mouse brain tissue with ARID1A antibody at 20 ug/ml.

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