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ARID1A (C) Antibody, Rabbit Polyclonal

Cat#: R0436-3

Quantity: 100 ul

Predicted | Observed MW: 242 | 270 kDa

Lot#: Refer to vial

Application: WB, IP

Uniprot ID: O14497

Background:

AT-rich interactive domain-containing protein 1A (ARID1A) is a member of the SWI/SNF family, which have helicase and ATPase activities and 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 required for transcriptional activation of genes normally repressed by chromatin. It possesses at least two conserved domains that could be important for its function. First, it has 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. Second, 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. Two transcript variants encoding different isoforms have been found for ARID1A [provided by RefSeq].

Other Names:

AT-rich interactive domain-containing protein 1A, ARID domain-containing protein 1A, B120, BRG1-associated factor 250, BAF250, BRG1-associated factor 250a, BAF250A, Osa homolog 1, hOSA1, SWI-like protein, SWI/SNF complex protein p270, SWI/SNF-related, matrix-associated, actin-dependent regulator of chromatin subfamily F member 1, hELD, BAF250, BAF250A, C1orf4, OSA1, SMARCF1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human ARID1A. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

IP: 1:100-1:200

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

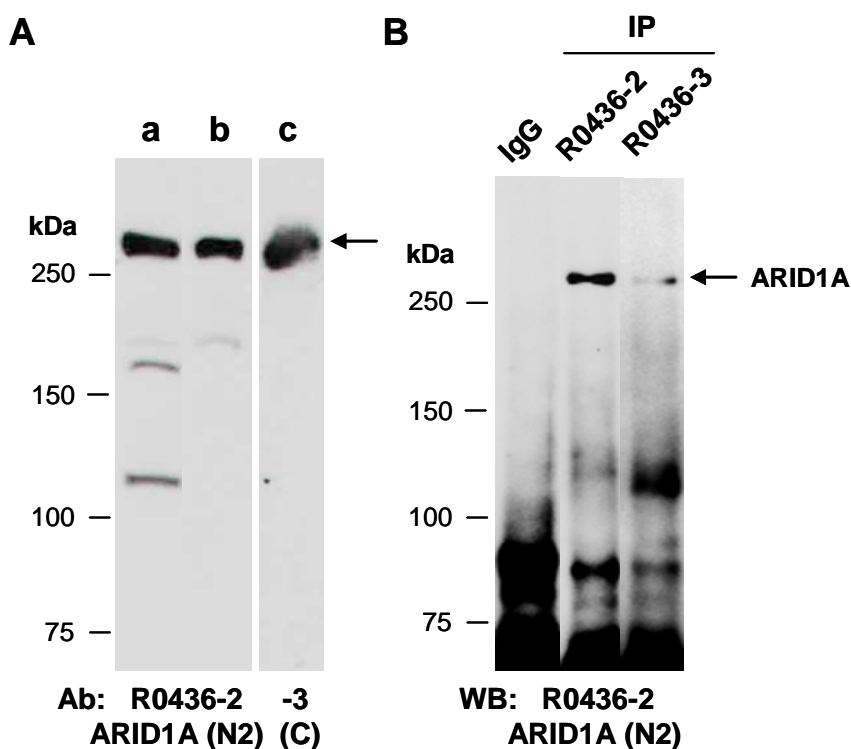


Fig 1. (A) Western blot of total cell extracts from a. mouse thymus, b, c. human Jurkat; using 2 independent Abs against 2 distinct regions of human ARID1A at RT for 2 h. **(B)** Total extracts from human Jurkat were immunoprecipitated (IP) with IgG or 2 independent Abs for ARID1A; followed by WB with ARID1A (N2) (R0436-2).