

Datasheet for ABIN3043527

anti-ARID1A antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ARID1A
Binding Specificity:	AA 1021-1053, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARID1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-ARID1A Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human ARID1A, identical to the related mouse sequence.
Sequence:	KMWVDRLAF TEEKAMGMTN LPAVGRKPLD LYR
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-ARID1A Antibody Picoband® (ABIN3043527). Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ARID1A

Alternative Name: ARID1A ([ARID1A Products](#))

Background: Synonyms: 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, ARID1A, BAF250, BAF250A, C1orf4, OSA1, SMARCF1, Tissue Specificity: Highly expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon, and PBL, and at a much lower level in heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas. .

Background: AT-rich interactive domain-containing protein 1A, also known as p270, is a protein that in humans is encoded by the ARID1A gene. This gene encodes a member of the SWI/SNF families, whose members have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. ARID1A is mapped to 1p36.11. 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.

Molecular Weight: 242 kDa

Gene ID: 8289

UniProt: [O14497](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Tube Formation](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human

1. Dallas, P. B., Pacchione, S., Wilsker, D., Bowrin, V., Kobayashi, R., Moran, E. The human SWI-SNF complex protein p270 is an ARID family member with non-sequence-specific DNA binding activity. Molec. Cell. Biol. 20: 3137-3146, 2000. 2. Krosi, J., Mamo, A., Chagraoui, J., Wilhelm, B. T., Girard, S., Louis, I., Lessard, J., Perreault, C., Sauvageau, G. A mutant allele of the Swi/Snf

Application Details

member BAF250a determines the pool size of fetal liver hemopoietic stem cell populations. Blood 116: 1678-1684, 2010. 3. Nie, Z., Xue, Y., Yang, D., Zhou, S., Deroo, B. J., Archer, T. K., Wang, W. A specificity and targeting subunit of a human SWI/SNF family-related chromatin-remodeling complex. Molec. Cell. Biol. 20: 8879-8888, 2000.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

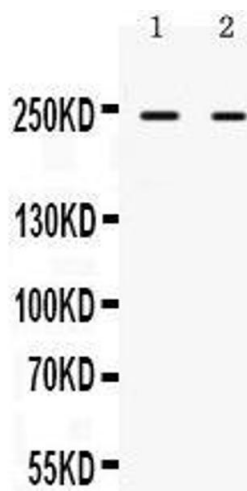
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Observed bind size: 242KD