Datasheet for ABIN7602567

anti-ARID1A antibody (AA 857-1552)

Go to Product page

Overview

Quantity:	100 µg
Target:	ARID1A
Binding Specificity:	AA 857-1552
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARID1A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ARID1A Antibody Picoband®
Immunogen:	E.coli-derived human ARID1A recombinant protein (Position: R857-Q1552).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ARID1A Antibody Picoband® (ABIN7602567). Tested in ELISA, Flow Cytometry(Intracellular), IF, IHC, ICC, WB applications. This antibody reacts with Human, Rat. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	ARID1A
Alternative Name:	ARID1A (ARID1A Products)
Background:	Synonyms: Probable ATP-dependent RNA helicase DDX58,3.6.4.13,DEAD box protein 58,RIG-I-like receptor 1,RLR-1,Retinoic acid-inducible gene 1 protein,RIG-1,Retinoic acid-inducible gene I protein,RIG-I,DDX58, Tissue Specificity: Present in vascular smooth cells (at protein level). . Background: AT-rich interactive domain-containing protein 1A is a protein that in humans is encoded by the ARID1A gene. This gene encodes a member of the SWI/SNF family, whose members have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is 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 the protein encoded by this gene 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 this gene.
Molecular Weight:	250-270 kDa
Gene ID:	8289
UniProt:	O14497
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Tube Formation

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry, 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Birnbaum, D. J., Birnbaum, D., Bertucci, F. Endometriosis-associated ovarian carcinomas. (Letter) New Eng. J. Med. 364: 483-484, 2011. 2. Chan-on, W., Nairismagi, M.-L., Ong, C. K., Lim, W. K., Dima, S., Pairojkul, C., Lim, K. H., McPherson, J. R., Cutcutache, I., Heng, H. L., Ooi, L.,

Application Details

	Chung, A., and 27 others. Exome sequencing identifies distinct mutational patterns in liver fluke-related and non-infection-related bile duct cancers. Nature Genet. 45: 1474-1478, 2013. 3. Chang, L., Azzolin, L., Di Biagio, D., Zanconato, F., Battilana, G., Lucon Xiccato, R., Aragona, M., Giulitti, S., Panciera, T., Gandin, A., Sigismondo, G., Krijgsveld, J., Fassan, M., Brusatin, G., Cordenonsi, M., Piccolo, S. The SWI/SNF complex is a mechanoregulated inhibitor of YAP and TAZ. Nature 563: 265-269, 2018.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	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 freezing and thawing.