

Rabbit anti-Human ARID3A Polyclonal Antibody | anti-ARID3A antibody

Anti-ARID3A Antibody Picoband

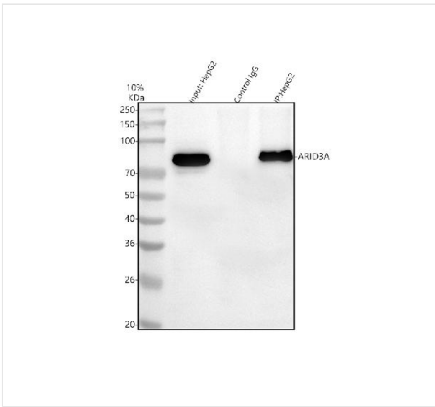
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127189	Rabbit	Human	Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

ARID3A; Polyclonal Antibody; Anti-ARID3A Antibody Picoband; AT-rich interactive domain-containing protein 3A; AT-rich interaction domain 3A; DRIL1; DRIL3; DRX; E2FBP1; ARID domain-containing protein 3A; B-cell regulator of IgH transcription; Bright; Dead ringer-like protein 1; E2F-binding protein 1; anti-ARID3A antibody

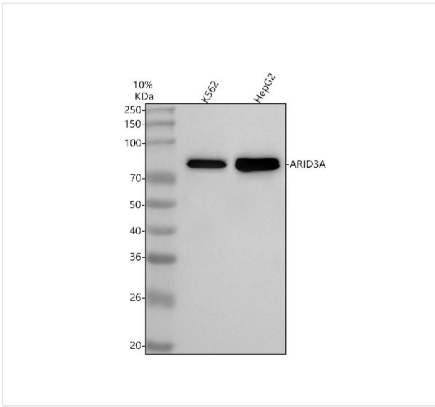
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-ARID3A antibody	WB (Western Blot), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ARID3A, which shares 95.8% amino acid (aa) sequence identity with mouse ARID3A.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



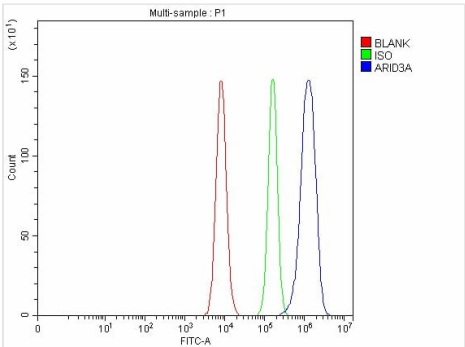
IP (Immunoprecipitation)

Figure 3. Immunoprecipitating ARID3A in HepG2 whole cell lysate .Western blot analysis of ARID3A using anti-ARID3A antibody (AAA127189).Lane 1: HepG2 whole cell lysates (30ug),Lane 2: Rabbit control IgG instead of anti-ARID3A antibody in HepG2 whole cell lysate,Lane 3: anti-ARID3A antibody (2ug) + HepG2 whole cell lysate (500ug).After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ARID3A antigen affinity purified polyclonal antibody (AAA127189) at a dilution of 0.5ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Light chain). The signal is developed using ECL Plus Western Blotting Substrate . A specific band was detected for ARID3A at approximately 80 kDa. The expected band size for ARID3A is at 63 kDa.



WB (Western Blot)

Figure 1. Western blot analysis of ARID3A using anti-ARID3A antibody (AAA127189).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human K562 whole cell lysates,Lane 2: human HepG2 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ARID3A antigen affinity purified polyclonal antibody (#AAA127189) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ARID3A at approximately 80 kDa. The expected band size for ARID3A is at 63 kDa.



FCM/FACS (Flow Cytometry)

Figure2. Flow Cytometry analysis of Caco-2 cells using anti-ARID3A antibody (AAA127189).Overlay histogram showing Caco-2 cells stained with AAA127189 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ARID3A Antibody (AAA127189, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

ADDITIONAL INFORMATION

Related Product Information for anti-ARID3A antibody	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 Categories/Family for anti-ARID3A antibody	Primary Antibodies

References	1. Alejo-Valle, O., Weigert, K., Bhayadia, R., Ng, M., Issa, H., Beyer, C., Emmrich, S., Schuschel, K., Ihling, C., Sinz, A., Zimmermann, M., Wickenhauser, C., Flasiński, M., Regenyi, E., Labuhn, M., Reinhardt, D., Yaspo, M. L., Heckl, D., Klusmann, J. H. The megakaryocytic transcription factor ARID3A suppresses leukemia pathogenesis. Blood 139: 651-665, 2022. 2. Herrscher, R. F., Kaplan, M. H., Lelsz, D. L., Das, C., Scheuermann, R., Tucker, P. W. The immunoglobulin heavy-chain matrix-associating regions are bound by Bright: a B cell-specific trans-activator that describes a new DNA-binding protein family. Genes Dev. 9: 3067-3082, 1995. 3. Kortschak, R. D., Reimann, H., Zimmer, M., Eyre, H. J., Saint, R., Jenne, D. E. The human dead ringer/bright homolog, DRIL1: cDNA cloning, gene structure, and mapping to D19S886, a marker on 19p13.3 that is strictly linked to the Peutz-Jeghers syndrome. Genomics 51: 288-292, 1998.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12230034
NCBI GeneID	1820
UniProt Accession #	Q99856; Q5I858; Q6P9C6; Q8IZA7; Q8N4Z3
Molecular Weight	593
NCBI Official Full Name	AT-rich interactive domain-containing protein 3A
NCBI Official Synonym Full Names	AT rich interactive domain 3A (BRIGHT-like)
NCBI Official Symbol	ARID3A
NCBI Official Synonym Symbols	DRIL1; DRIL3; BRIGHT; E2FBP1
NCBI Protein Information	AT-rich interactive domain-containing protein 3A; dead ringer-like 1; E2F-binding protein 1; ARID domain-containing 3A; dead ringer-like protein 1; ARID domain-containing protein 3A; B-cell regulator of IgH transcription; AT rich interactive domain 3A (BR
UniProt Protein Name	AT-rich interactive domain-containing protein 3A
UniProt Gene Name	ARID3A
UniProt Synonym Gene Names	DRIL1; DRIL3; DRX; E2FBP1; ARID domain-containing protein 3A; Bright
UniProt Entry Name	ARI3A_HUMAN

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