

Rabbit anti-Human ARID3B Monoclonal Antibody | anti-ARID3B antibody

Recombinant Anti-ARID3B Antibody, Rabbit Monoclonal

CATALOG # AAA254205	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

ARID3B; Monoclonal Antibody; Recombinant Anti-ARID3B Antibody; Rabbit Monoclonal; ARID3B Antibody; Rabbit MAb; AT-rich interaction domain 3B; Anti-BDP Antibody; Anti-DRIL2 Antibody; anti-ARID3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	008
Specificity	Human ARID3B
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ARID3B antibody	IP (Immunoprecipitation), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	A synthetic peptide corresponding to the center region of the Human ARID3B
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with a synthetic peptide corresponding to the center region of the Human ARID3B. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

ARID3B was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate Lane B: 0.5 mg 293T Whole Cell Lysate 2 uL anti-ARID3B rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-ARID3B rabbit monoclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odyssey technique. Performed under reducing conditions. Predicted band size: 61 kDa Observed band size: 61 kDa



WB (Western Blot)

Anti-ARID3B rabbit monoclonal antibody at 1:500 dilution Lane A: 293T Whole Cell Lysate Lane B: K562 Whole Cell Lysate Lane C: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 61 kDa Observed band size: 68 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ARID3B antibody	ARID3B, a member of the AT-rich interaction domain (ARID) family of proteins, plays an essential role in the survival of neural crest during embryogenesis. ARID3B seems to play a key role in the malignant transformation of neuroblastoma and may serve not only as a marker of malignancy but also as a potential target for cancer therapy of stage IV neuroblastoma for which there is currently no effective treatment available. ARID3B is a DNA binding protein that is overexpressed in neuroblastoma and ovarian cancer. ARID3B has different patterns in normal tissues translate into different roles for ARID3B in carcinomas. ARID3B (AT-rich interaction domain 3) is a member of the family of ARID proteins, which constitutes evolutionarily conserved transcription factors implicated in normal development, differentiation, cell cycle regulation and chromatin remodeling. In addition, ARID3B has been linked to cellular immortalization, epithelial-mesenchymal transition (EMT) and tumorigenesis. Given the emerging role of ARID3B in tumor development, we examined its expression in primary patient-derived breast cancer samples and breast cancer-derived cell lines. ARID3B regulation of direct target genes in the Wnt pathway promotes adhesion of ovarian cancer cells. ARID3A and ARID3B are transcriptional targets of p53, ARID3B play a key role in the expression of pro-apoptotic p53-target genes and apoptosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453638
NCBI GeneID	10620
NCBI Accession #	NP_006456.1
NCBI GenBank Nucleotide #	NM_006465.2
UniProt Accession #	Q8IYW6; O95443; Q59HC9; Q6P9C9
Molecular Weight	60,566 Da
NCBI Official Full Name	AT-rich interactive domain-containing protein 3B
NCBI Official Synonym Full Names	AT rich interactive domain 3B (BRIGHT-like)
NCBI Official Symbol	ARID3B
NCBI Official Synonym Symbols	BDP; DRIL2
NCBI Protein Information	AT-rich interactive domain-containing protein 3B; bright-like protein; bright and dead ringer protein; ARID domain-containing protein 3B; AT rich interactive domain 3B (BRIGHT- like)
UniProt Protein Name	AT-rich interactive domain-containing protein 3B
UniProt Gene Name	ARID3B
UniProt Synonym Gene Names	BDP; DRIL2; ARID domain-containing protein 3B
UniProt Entry Name	ARI3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.