

Anti-ARID4B Antibody

Catalog # AP59845

Product Information

Application	WB
Primary Accession	Q4LE39
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	147809

Additional Information

Gene ID	51742
Other Names	BRCAA1; RBBP1L1; RBP1L1; SAP180; AT-rich interactive domain-containing protein 4B; ARID domain-containing protein 4B; 180 kDa Sin3-associated polypeptide; Sin3-associated polypeptide p180; Breast cancer-associated antigen BRCAA1; Histone deacetylase complex subunit SAP180; Retinoblastoma-binding protein 1-like 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ARID4B. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ARID4B
Synonyms	BRCAA1, RBBP1L1, RBP1L1, SAP180
Function	Acts as a transcriptional repressor (PubMed: 12724404). May function in the assembly and/or enzymatic activity of the Sin3A corepressor complex or in mediating interactions between the complex and other regulatory complexes (PubMed: 12724404). Plays a role in the regulation of epigenetic modifications at the PWS/AS imprinting center near the SNRPN promoter, where it might function as part of a complex with RB1 and ARID4A. Involved in spermatogenesis, together with ARID4A, where it functions as a transcriptional coactivator for AR (androgen receptor) and enhances expression of genes required for sperm maturation. Regulates expression of the tight junction protein CLDN3 in the testis, which is important for integrity

of the blood-testis barrier. Plays a role in myeloid homeostasis where it regulates the histone methylation state of bone marrow cells and expression of various genes involved in hematopoiesis. May function as a leukemia suppressor (By similarity).

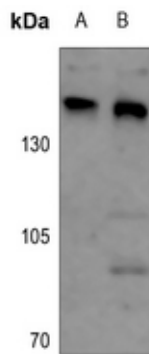
Cellular Location

Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00355}. Cytoplasm
Note=Cytoplasmic in breast cancer cells.

Tissue Location

Highly expressed in the testis and in breast, lung, colon, pancreatic and ovarian cancers. Expressed at low levels in the thymus, prostate and ovary.

Images



Western blot analysis of ARID4B expression in HEK293T (A), MCF7 (B) whole cell lysates. (Predicted band size: 147 kD; Observed band size: 210 kD)

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