

Recombinant ARID3B Monoclonal Antibody

catalog number: **AN300168P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

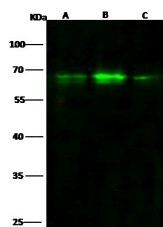
Description

Reactivity	Human
Immunogen	A synthetic peptide corresponding to the center region of the Human ARID3B
Host	Rabbit
Isotype	IgG
Clone	A1282
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot with ARID3B Monoclonal Antibody at dilution of 1:500. Lane A: 293T Whole Cell Lysate, Lane B: K562 Whole Cell Lysate, Lane C: HepG2 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:68 kDa

Calculated-MW:61 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

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.