

## Anti-ARID3B Antibody (2L160)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2L160
Purification:	Protein A

### Applications

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 µg per lane.

Verified Activity:

-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

Application: WB

Recommended WB: 1:500-1:2000

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: A synthetic peptide: center region of the Human ARID3B

Antigen Species: Human

Synonyms: DRIL2;BDP

### Research Background

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

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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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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