

For Research Use Only

# ARID3A Monoclonal antibody

Catalog Number: 68428-1-Ig



## Basic Information

<b>Catalog Number:</b> 68428-1-Ig	<b>GenBank Accession Number:</b> BC060828	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1820	<b>CloneNo.:</b> 2B10C10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q99856	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>Full Name:</b> AT rich interactive domain 3A (BRIGHT-like)	
<b>Immunogen Catalog Number:</b> AG7655	<b>Calculated MW:</b> 63 kDa	
	<b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HEK-293 cells, HuH-7 cells, Jurkat cells, K-562 cells, TF-1 cells, HepG2 cells <b>IF/ICC :</b> K-562 cells,

## Background Information

ARID3A is a nuclear matrix-associated transcription factor that stimulates immunoglobulin heavy chain (IgH) expression and Cyclin E1/E2F-dependent cell cycle progression. It activates IgH transcriptional initiation by binding to ATC-rich P sites within nuclear matrix attachment regions (MARs) flanking the IgH intronic enhancer (Emu) (PMID:17386101). It is the founder of the 13-member (in humans) ARID (AT-Rich Interaction Domain) family, which share a highly conserved DNA binding domain, but functions in diverse biological processes such as cell cycle regulated events, epigenetic post-translational modification, and chromatin remodeling (PMID:15927959,11959810,11283269). The expression molecular weight observed is consistent with what has been described in the literature (PMID: 15922553, 19436740).

## Storage

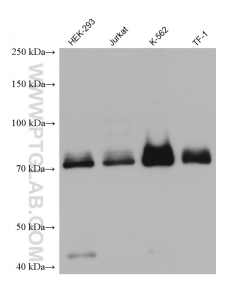
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68428-1-Ig (ARID3A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using ARID3A antibody (68428-1-Ig, Clone: 2B10C10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).