

ARID3A Monoclonal antibody

Catalog Number: 68428-1-Ig

Basic Information

Catalog Number:

68428-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7655

GenBank Accession Number:

BC060828

GeneID (NCBI):

1820

UNIPROT ID:

Q99856

Full Name:AT rich interactive domain 3A
(BRIGHT-like)**Calculated MW:**

63 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

2B10C10

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, HuH-7 cells, Jurkat cells, K-562 cells, TF-1 cells, HepG2 cells

IF/ICC : 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

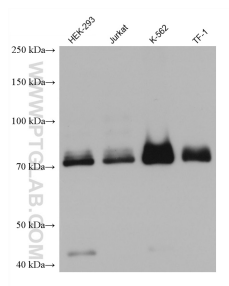
For technical support and original validation data for this product please contact:

T: 4006900926

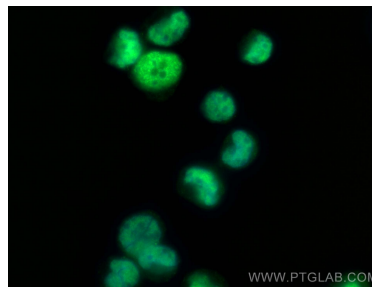
E: Proteintech-CN@ptglab.comW: ptgcn.com

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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).