

For Research Use Only

ARID3A Polyclonal antibody

Catalog Number: 14068-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

14068-1-AP

Size:

150ul, Concentration: 193 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5124

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:300-1:1200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, ChIP

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : K-562 cells, mouse placenta tissue

IP : K-562 cells,

IHC : human colon cancer tissue,

IF/ICC : HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Tang	33165575	Carcinogenesis	WB,IP
Yafei Li	35257428	Cell Biol Int	WB,ChIP
Daguo Zhou	35219069	Tissue Cell	WB

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

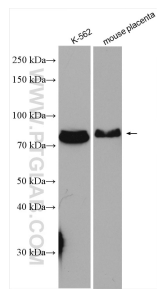
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

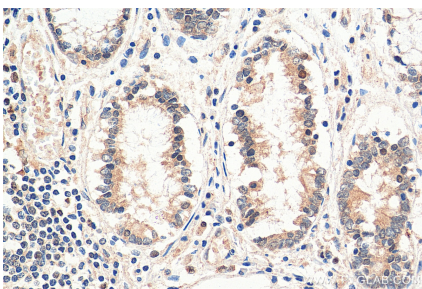
E: proteintech@ptglab.com
W: ptglab.com

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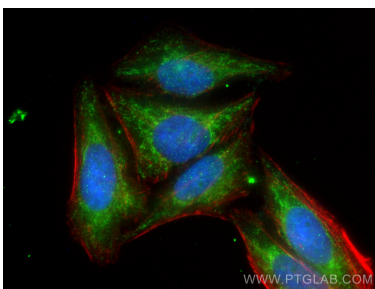
Selected Validation Data



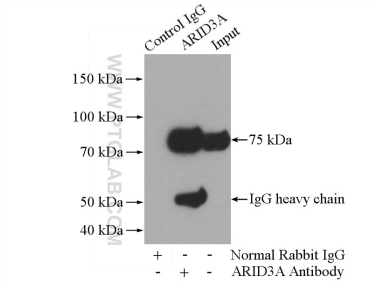
Various lysates were subjected to SDS PAGE followed by western blot with 14068-1-AP (ARID3A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14068-1-AP (ARID3A antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ARID3A antibody (14068-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), (CL594-Phalloidin, red).



IP result of anti-ARID3A (IP:14068-1-AP, 4ug; Detection:14068-1-AP 1:1000) with K-562 cells lysate 3200ug.