

ARID3A Polyclonal Antibody

Catalog number: 14068-1-AP

Size: 29 µg/150 µl

Source: Rabbit

Isotype: IgG

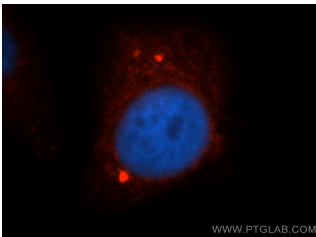
Synonyms:

ARID3A; ARID3A, BRIGHT,

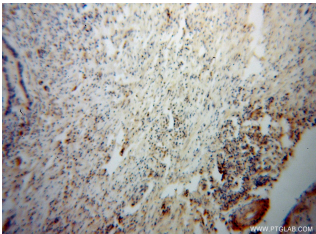
Dead ringer like protein 1,

DRIL1, DRIL3, DRX, E2F binding

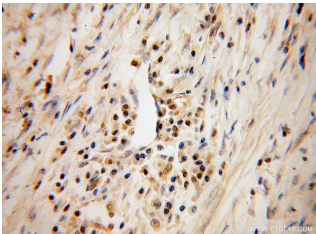
protein 1, E2FBP1



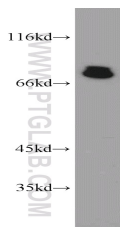
Immunofluorescent analysis of HepG2 cells, using ARID3A antibody 14068-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human colon cancer using 14068-1-AP (ARID3A antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human colon cancer using 14068-1-AP (ARID3A antibody) at dilution of 1:100 (under 40x lens)



Background

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 function in diverse biological processes such as cell cycle regulated events, epigenetic post-translational modification, and chromatin remodeling [PMID:15927959,11959810,11283269].

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated ARID3A MW:	63 kDa
Observed ARID3A MW:	75 kDa
Positive WB detected in	K-562 cells
Positive IP detected in	K-562 cells
Positive IHC detected in	Human colon cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:500-1:5000
	IHC: 1:20-1:200
	IF: 1:20-1:200

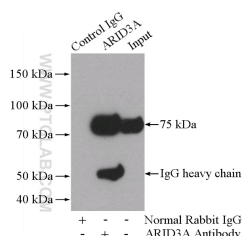
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5124
GenBank accession number:	BC060828
Gene ID (NCBI):	1820
Full name:	AT rich interactive domain 3A (BRIGHT-like)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



K-562 cells were subjected to SDS PAGE followed by western blot with 14068-1-AP (ARID3A antibody) at dilution of 1:1500

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