

For Research Use Only

# ARID4A Recombinant antibody

Catalog Number: 83489-1-RR



## Basic Information

Catalog Number:

83489-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33114

GenBank Accession Number:

NM\_002892.3

GeneID (NCBI):

5926

UNIPROT ID:

P29374

Full Name:

AT rich interactive domain 4A (RBP1-like)

Calculated MW:

143 kDa

Observed MW:

205 kDa

Purification Method:

Protein A purification

CloneNo.:

240436A4

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:200-1:800

IF/ICC: 1:125-1:500

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

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

Positive Controls:

WB : HeLa cells, MCF-7 cells, DU 145 cells, LNCaP cells, SW 480 cells

IHC : mouse brain tissue,

IF/ICC : MCF-7 cells,

FC (Intra) : U2OS cells,

## Background Information

ARID4A (AT-rich interaction domain 4A, also known as retinoblastoma-binding protein 1, RBBP1/RBP1) is a retinoblastoma (RB)-binding protein. ARID1A is an important subunit of the switching defective/sucrose nonfermenting (SWI/SNF) chromatin remodeling complex.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

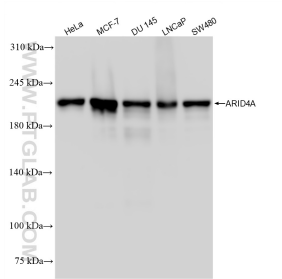
T: 4006900926

E: Proteintech-CN@ptglab.com

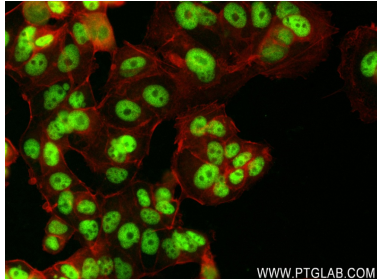
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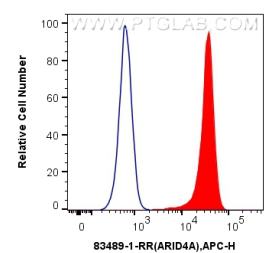
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83489-1-RR (ARID4A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



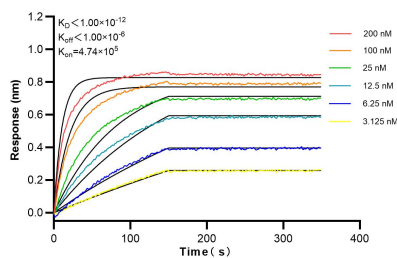
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using ARID4A antibody (83489-1-RR, Clone: 240436A4) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.25 ug ARID4A Recombinant antibody (83489-1-RR, Clone:240436A4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83489-1-RR (ARID4A antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83489-1-RR against Human ARID4A were performed. The affinity constant is below 1 pM.