

For Research Use Only

ARID4A Recombinant antibody

Catalog Number: 83489-1-RR



Basic Information

Catalog Number: 83489-1-RR	GenBank Accession Number: NM_002892.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5926	CloneNo.: 240436A4
Source: Rabbit	UNIPROT ID: P29374	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 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: AT rich interactive domain 4A (RBP1-like)	
Immunogen Catalog Number: AG33114	Calculated MW: 143 kDa Observed MW: 205 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	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,
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	

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

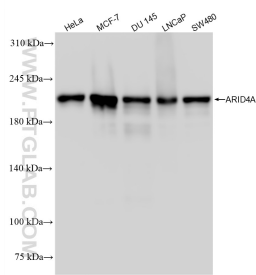
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

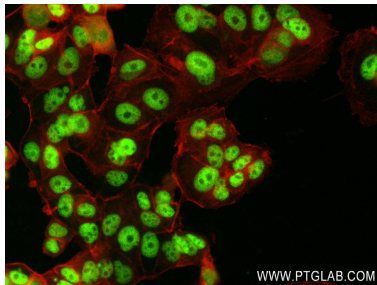
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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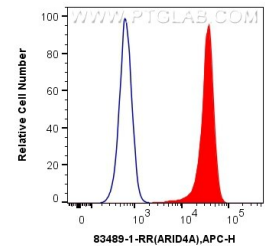
Selected Validation Data



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



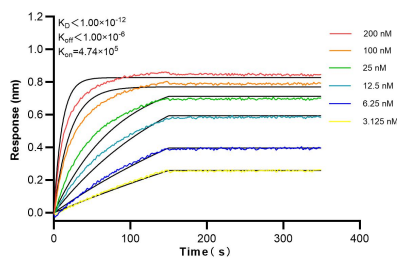
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using ARID4A antibody (83489-1-RR, Clone: 240436A4) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ 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.