

For Research Use Only

ARID4A Recombinant antibody, PBS Only (Capture)

Catalog Number: 83489-1-PBS



Basic Information

Catalog Number:

83489-1-PBS

Size:

1 mg/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

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:

human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

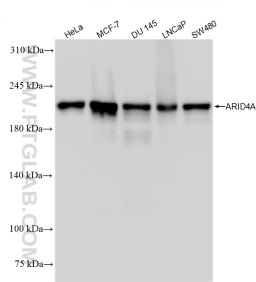
T: 4006900926

E: Proteintech-CN@ptglab.com

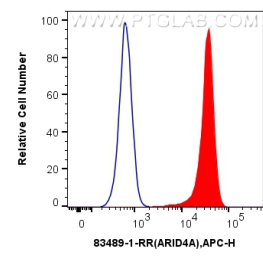
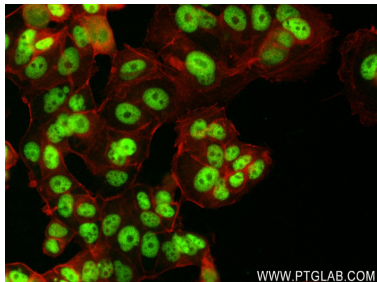
W: ptgcn.com

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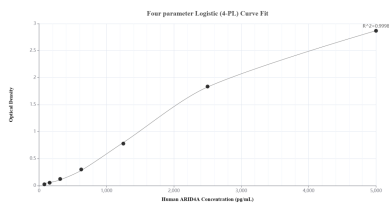
Selected Validation Data



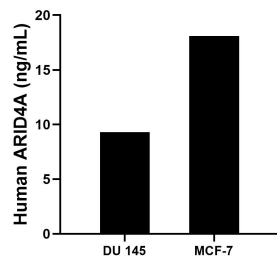
Various lysates were subjected to SDS PAGE followed by western blot with 83489-1-RR (ARID4A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83489-1-PBS in a different storage buffer formulation.



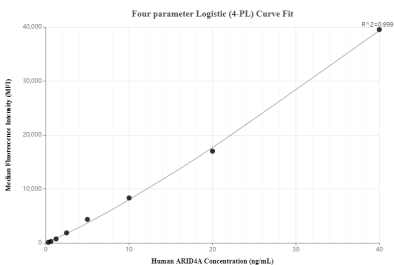
1x10⁶ U2OS cells were intracellularly stained with 0.25 ug ARID4A Recombinant antibody (83489-1-RR, Clone:240436A4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83489-1-PBS in a different storage buffer formulation.



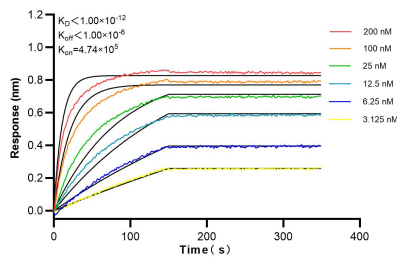
Sandwich ELISA standard curve of MP00489-3, Human ARID4A Recombinant Matched Antibody Pair - PBS only. 83489-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag33114. 83489-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



The mean ARID4A concentration was determined to be 9.3 ng/mL in DU 145 cell extract based on a 3.2 mg/mL extract load, 18.1 ng/mL in MCF-7 cell extract based on a 3.5 mg/mL extract load.



Cytometric bead array standard curve of MP00489-1, ARID4A Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83489-1-PBS. Detection antibody: 83489-4-PBS. Standard: Ag33114. Range: 0.313-40 ng/mL.



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