

For Research Use Only

ARID4B Polyclonal antibody

Catalog Number: 24499-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

24499-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21462

GenBank Accession Number:

BC130418

GeneID (NCBI):

51742

UNIPROT ID:

Q4LE39

Full Name:

AT rich interactive domain 4B (RBP1-like)

Calculated MW:

1312 aa, 148 kDa

Observed MW:

100 kDa, 200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human, mouse

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 : MCF-7 cells, A549 cells, K-562 cells

IP : MCF-7 cells,

IHC : human testis tissue, human breast cancer tissue

IF : MCF-7 cells,

Background Information

ARID4B, also named as BRCA1 or SAP180, is a 1312 amino acid protein, which contains one ARID domain. ARID4B localizes in the nucleus and cytoplasm. ARID4B as a transcription repressor may function in the assembly and/or enzymatic activity of the Sin3A corepressor complex or in mediating interactions between the complex and other regulatory complexes. ARID4B is highly expressed in the testis and in breast, lung, colon, pancreatic and ovarian cancers. Expressed at low levels in the thymus, prostate and ovary.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|----------------|-------------|
| Ti-Chun Chan | 33052246 | Theranostics | WB |
| Xiangxiang Liu | 30305607 | Cell Death Dis | WB |
| Qi Hao | 34881695 | Br J Nutr | 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

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

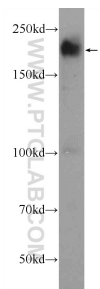
T: 4006900926

E: Proteintech-CN@ptglab.com

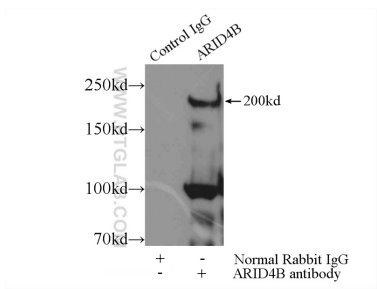
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

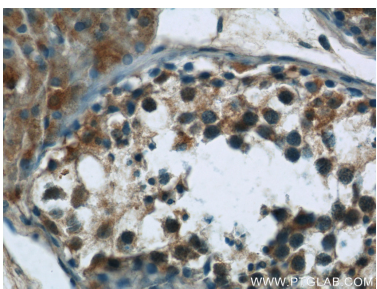
Selected Validation Data



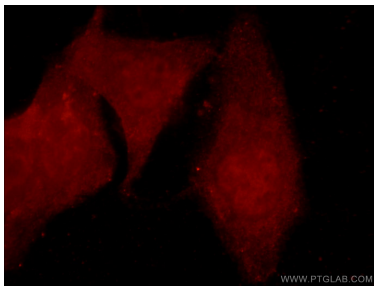
MCF-7 cells were subjected to SDS PAGE followed by western blot with 24499-1-AP (ARID4B Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-ARID4B (IP:24499-1-AP, 5ug; Detection:24499-1-AP 1:1000) with MCF-7 cells lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 24499-1-AP (ARID4B Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells using 24499-1-AP (ARID4B antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.