

For Research Use Only

ARID4B Polyclonal antibody

Catalog Number: 24499-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

24499-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 533 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

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

IP: MCF-7 cells,

IHC: human pancreas cancer tissue, human breast cancer tissue, human cervical cancer tissue, human testis tissue

IF/ICC: MCF-7 cells,

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

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

*** 20ul sizes contain 0.1% BSA

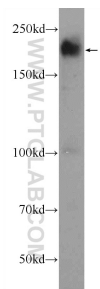
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

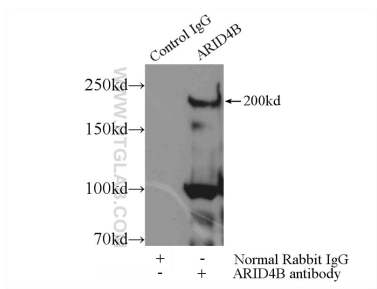
E: proteintech@ptglab.com
W: ptglab.com

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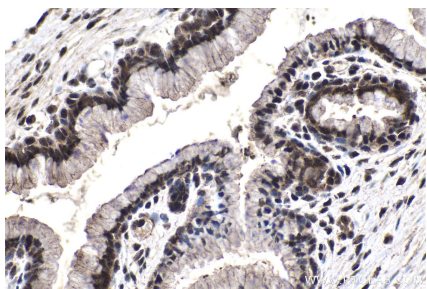
Selected Validation Data



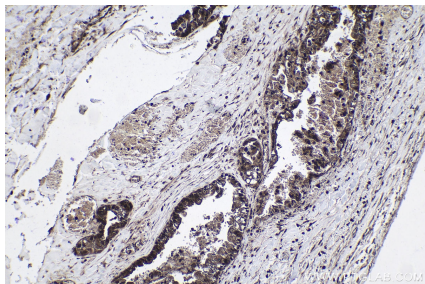
MCF-7 cells were subjected to SDS PAGE followed by western blot with 24499-1-AP (ARID4B Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



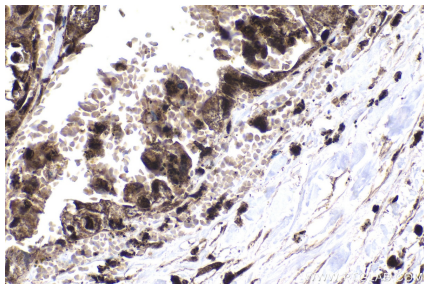
IP result of anti-ARID4B (IP:24499-1-AP, 5ug; Detection:24499-1-AP 1:1000) with MCF-7 cells lysate 4000ug.



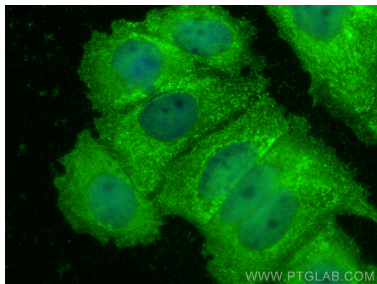
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 24499-1-AP (ARID4B antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 24499-1-AP (ARID4B antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 24499-1-AP (ARID4B antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using ARID4B antibody (24499-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).