

For Research Use Only

# ARID4B Polyclonal antibody

Catalog Number: 24499-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 24499-1-AP	<b>GenBank Accession Number:</b> BC130418	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop and 533 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51742	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> AT rich interactive domain 4B (RBP1-like)	<b>IHC 1:20-1:200</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1312 aa, 148 kDa	
<b>Immunogen Catalog Number:</b> AG21462	<b>Observed MW:</b> 100 kDa, 200 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, A549 cells, K-562 cells
<b>Cited Applications:</b> WB	<b>IP :</b> MCF-7 cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human testis tissue, human breast cancer tissue
<b>Cited Species:</b> human, mouse	<b>IF :</b> 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

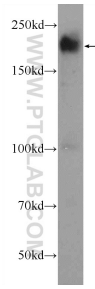
## Storage

**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

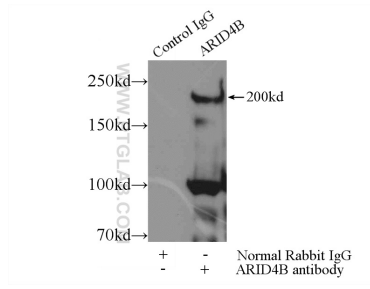
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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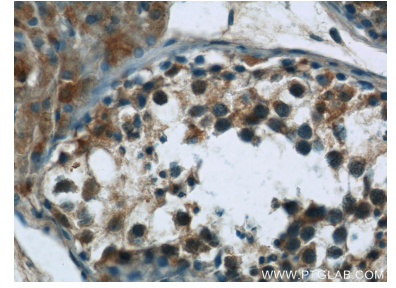
## Selected Validation Data



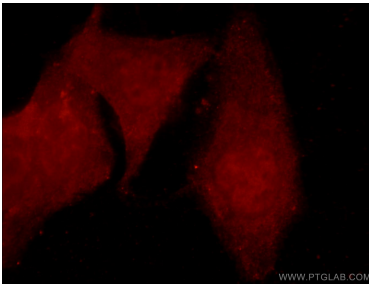
MCF-7 cells were subjected to SDS PAGE followed by western blot with 24499-1-AP (ARID4B Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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 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.