

For Research Use Only

# BRD4 Polyclonal antibody

Catalog Number: 28486-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

28486-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC035266

### GeneID (NCBI):

23476

### UNIPROT ID:

O60885

### Full Name:

bromodomain containing 4

### Calculated MW:

1362 aa, 152 kDa

### Observed MW:

200 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:1000-1:4000

IF/ICC 1:300-1:1200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, CoIP

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : HepG2 cells, A549 cells, Jurkat cells, MCF-7 cells, Ramos cells, MDA-MB-231 cells, T-47D cells

IP : A549 cells,

IHC : human lung cancer tissue,

IF/ICC : HepG2 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

BRD4 is a member of the BET (bromodomain and extra terminal domain) family, which also includes BRD2, BRD3, and BRDT. BRD4, similar to other BET family members, contains two bromodomains that recognize acetylated lysine residues. BRD4 also has an extended C-terminal domain with little sequence homology to other BET family members. BRD4 has some isoforms, the long isoform BRD4-L has an extended C terminus, while the short isoform BRD4-S lacks this C-terminal extension. The molecular weight range of BRD4-S and BRD4-L is 110 kDa to 200 kDa (PMID: 32203489).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiawei Cao	39820080	Commun Biol	IHC
Bei Jiang	39440032	Front Med (Lausanne)	WB
Qinghui Kan	39334121	J Transl Med	WB

## 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

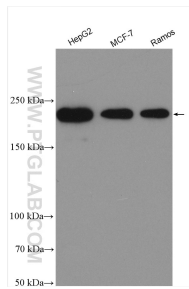
For technical support and original validation data for this product please contact:

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

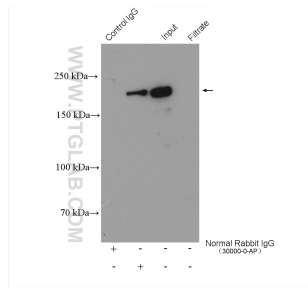
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

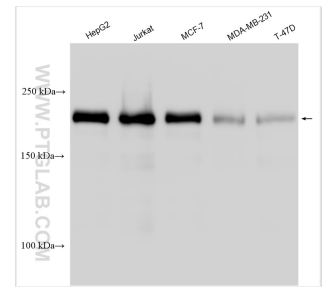
## Selected Validation Data



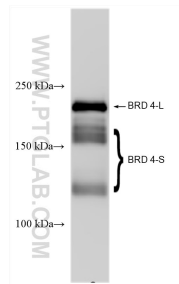
Various lysates were subjected to SDS PAGE followed by western blot with 28486-1-AP (BRD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



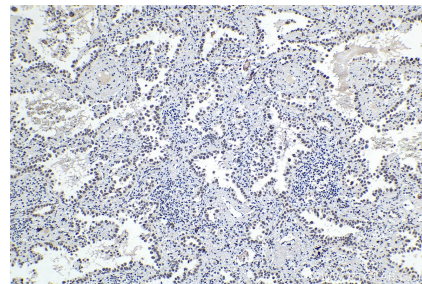
IP result of anti-BRD4 (IP:28486-1-AP, 4ug; Detection:28486-1-AP 1:1000) with A549 cells lysate 800 ug.



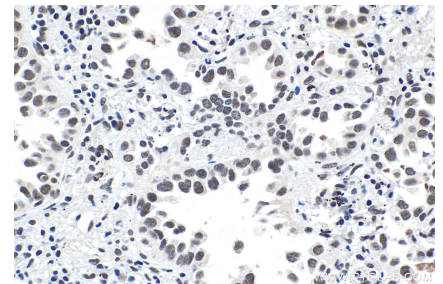
Various lysates were subjected to SDS PAGE followed by western blot with 28486-1-AP (BRD4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



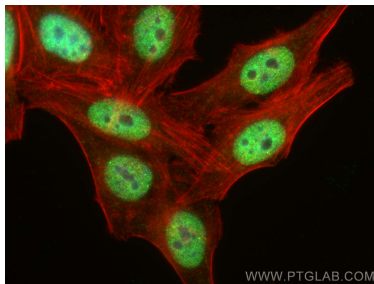
A549 cells were subjected to SDS PAGE followed by western blot with 28486-1-AP (BRD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 28486-1-AP (BRD4 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 28486-1-AP (BRD4 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using BRD4 antibody (28486-1-AP) at dilution of 1:600 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).