

For Research Use Only

BRD4 Polyclonal antibody

Catalog Number: 28486-1-AP **3 Publications**



Basic Information

Catalog Number:

28486-1-AP

Size:

650 µg/ml

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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:1000-1:4000

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, ColP

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

IP: A549 cells,

IHC: human lung cancer tissue,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yi-Chang Wang	36961817	Cell Rep	WB
Miao Cheng	36907496	Biochem Pharmacol	WB, ColP
Yi-Chang Wang	36778247	bioRxiv	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:

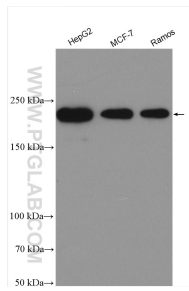
T: 4006900926

E: Proteintech-CN@ptglab.com

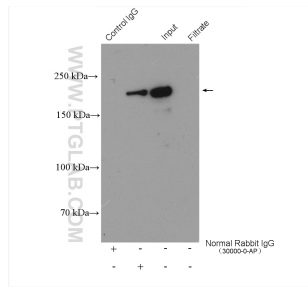
W: ptgcn.com

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

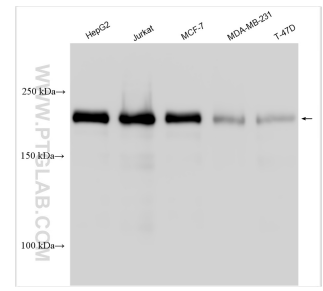
Selected Validation Data



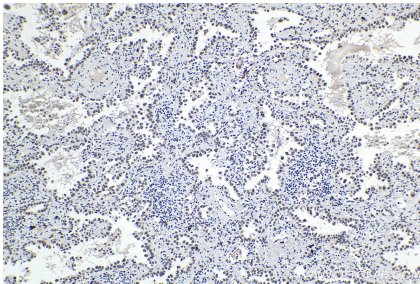
Various lysates were subjected to SDS PAGE followed by western blot with 28486-1-AP (BRD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



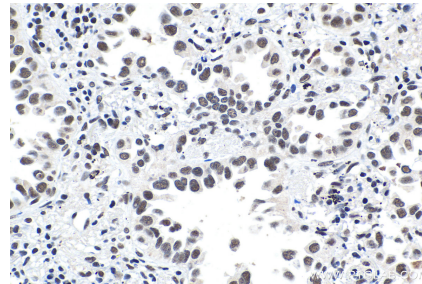
IP result of anti-BRD4 (IP:28486-1-AP, 4ug; Detection:28486-1-AP 1:1000) with A549 cells lysate 800 ug.



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.



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).