For Research Use Only

BRD4 Polyclonal antibody, PBS Only

Catalog Number:28486-1-PBS Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
28486-1-PBS

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

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
human

Background Information

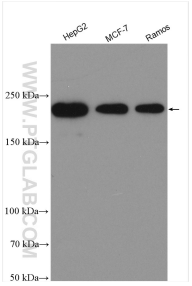
BRD4 is a member of the BET (bromodomain and extra terminal domain) family, which also includes BRD2, BRD3, and BRDT. BRD4, similar to other BET family members, contains two bromodomains that recognize acetylated lysine residues. BRD4 also has an extended C-terminal domain with little sequence homology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

Storage

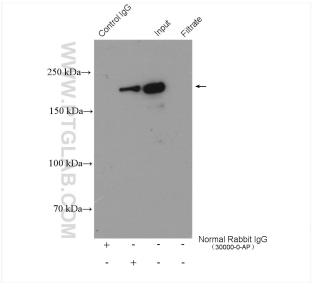
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

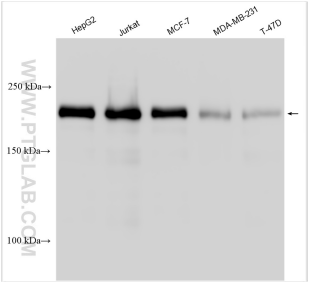
Selected Validation Data



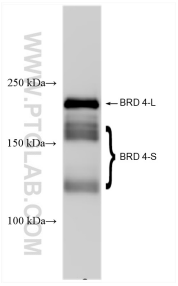
Various lysates were subjected to SDS PAGE followed by western blot with 28486-1-AP (BRD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28486-1-PBS in a different storage buffer formulation.



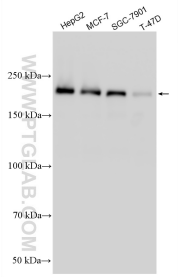
IP result of anti-BRD4 (IP:28486-1-AP, 4ug; Detection:28486-1-AP 1:1000) with A549 cells lysate 800 ug. This data was developed using the same antibody clone with 28486-1-PBS in a different storage buffer formulation.



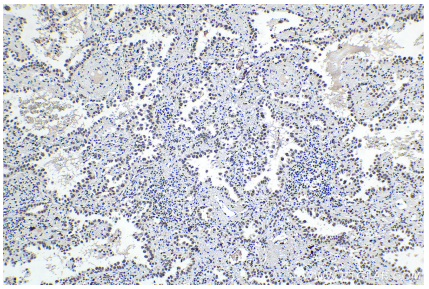
Various lysates were subjected to SDS PAGE followed by western blot with 28486-1-AP (BRD4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28486-1-PBS in a different storage buffer formulation.



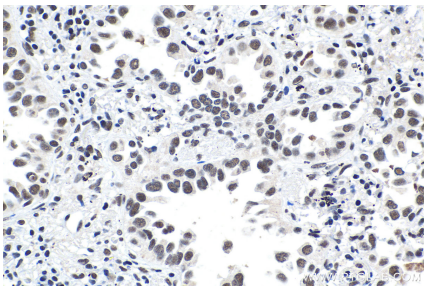
A549 cells were subjected to SDS PAGE followed by western blot with 28486-1-AP (BRD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28486-1-PBS in a different storage buffer formulation.



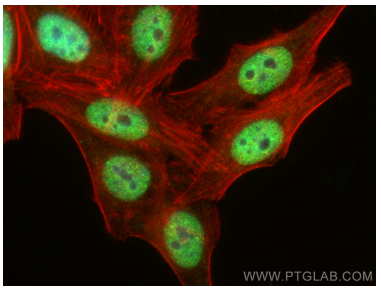
Various lysates were subjected to SDS PAGE followed by western blot with 28486-1-AP (BRD4 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28486-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 28486-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 28486-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 28486-1-PBS in a different storage buffer formulation.