

For Research Use Only

BRD3 Polyclonal antibody

Catalog Number: 11859-1-AP

Featured Product

25 Publications



Basic Information

Catalog Number: 11859-1-AP	GenBank Accession Number: BC032124	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop;	GeneID (NCBI): 8019	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: bromodomain containing 3	
Isotype: IgG	Calculated MW: 556 aa, 61 kDa	
Immunogen Catalog Number: AG2433	Observed MW: 95-105 kDa	

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human

Cited Species:
human, mouse

Positive Controls:

WB: HEK-293T cells, HeLa cells, COLO 320 cells, HepG2 cells, Jurkat cells, K-562 cells, MCF-7 cells

IP: HeLa cells,

IHC: human prostate cancer tissue, human gliomas tissue

IF: HeLa 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

BRD3 belongs to the BET family that a small group of unique, highly conserved bromodomain-containing genes with four members in mouse and human. There are BRD2, BRD3, BRD4 and BRDT. And BET family proteins all localize in the nucleus, and contain two tandem N-terminal BRDs, an extra-terminal (ET) domain and a more divergent C-terminal recruitment domain (PMID:25849938). BRD2, BRD3, and BRD4 play key roles in transcription of genes required for both inflammation and cancer. Northern hybridization revealed that BRD3 is most abundant in testis, ovary, placenta, uterus, and brain (PMID:15261828; PMID:27451123). The antibody could recognize the common about 100 kDa protein in applications as the papers (PMID:29437854; 22595521).

Notable Publications

Author	Pubmed ID	Journal	Application
Xinmei Liao	34733788	Front Oncol	WB
Liya Ma	36224471	Cancer Chemother Pharmacol	WB
Xing Bian	33134168	Front Oncol	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

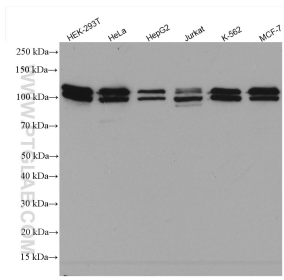
For technical support and original validation data for this product please contact:

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

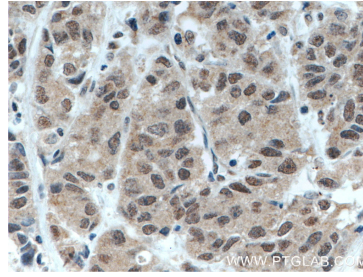
E: proteintech@ptglab.com
W: ptglab.com

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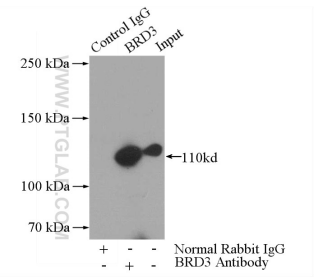
Selected Validation Data



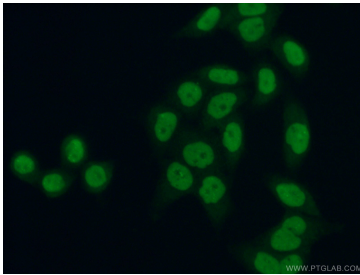
Various lysates were subjected to SDS PAGE followed by western blot with 11859-1-AP (BRD3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11859-1-AP (BRD3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-BRD3 (IP:11859-1-AP, 4 μ g; Detection:11859-1-AP 1:500) with HeLa cells lysate 4000 μ g.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 11859-1-AP (BRD3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).