

For Research Use Only

# BRD7 Polyclonal antibody

Catalog Number: 51009-2-AP

Featured Product

24 Publications



## Basic Information

<b>Catalog Number:</b> 51009-2-AP	<b>GenBank Accession Number:</b> BC050728	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29117	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> bromodomain containing 7	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 651 aa, 74 kDa	
<b>Immunogen Catalog Number:</b> AG3911	<b>Observed MW:</b> 70-74 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> ChIP, CoIP, IF, IHC, IP, WB	<b>WB:</b> COLO 320 cells, mouse cerebellum tissue, mouse lung tissue, L02 cells, rat brain tissue, SH-SY5Y cells, HeLa cells, Jurkat cells, MDA-MB-231 cells, PC-3 cells, SH-SY5Y cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> human colon cancer tissue, human cervical cancer tissue
<b>Cited Species:</b> 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**

## Background Information

BRD7 (bromodomain containing 7), is a subunit of poly-bromo-associated BRG1-associated factor (PBAF)-specific Swi/Snf chromatin remodeling complexes. BRD7 is proposed as a tumor suppressor protein, since its identification as an important component of both functional p53 and BRCA1 (breast cancer 1, early onset) pathways. BRD7 could down-regulate the GSK3beta phosphotransferase activity as dephosphorylation of GSK3B at 'Tyr-216', thus activate the Wnt signaling pathway in a DVL1-dependent manner.

## Notable Publications

Author	Pubmed ID	Journal	Application
Seung-Hoon Lee	36285148	Dev Reprod	WB,IF,CoIP
Qi Zhang	26620707	Cancer Lett	WB
Yong Liang	30655838	Oncol Lett	WB

## Storage

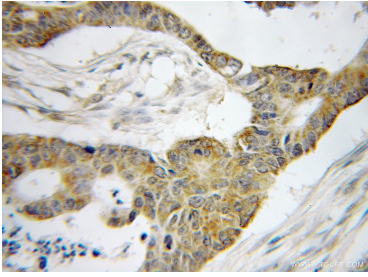
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

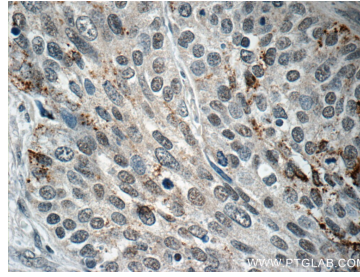
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

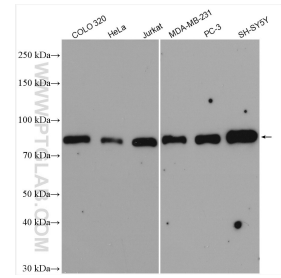
## Selected Validation Data



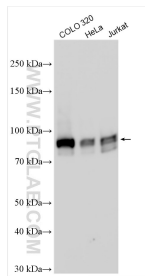
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 51009-2-AP (BRD7 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 51009-2-AP (BRD7 Antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 51009-2-AP (BRD7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 51009-2-AP (BRD7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.