

For Research Use Only

BRD7 Polyclonal antibody

Catalog Number: 51009-2-AP

Featured Product

28 Publications



Basic Information

Catalog Number:

51009-2-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3911

GenBank Accession Number:

BC050728

GeneID (NCBI):

29117

UNIPROT ID:

Q9NPI1

Full Name:

bromodomain containing 7

Calculated MW:

651 aa, 74 kDa

Observed MW:

70-74 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP

Species Specificity:

human, mouse, rat

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: 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

IHC: human colon cancer tissue, human cervical cancer tissue

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

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

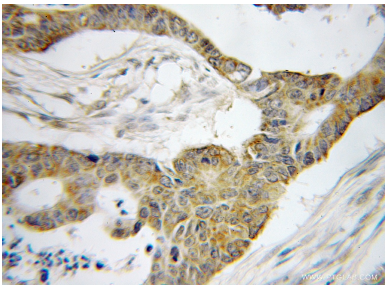
T: 4006900926

E: Proteintech-CN@ptglab.com

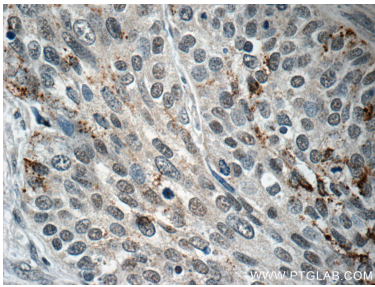
W: ptgcn.com

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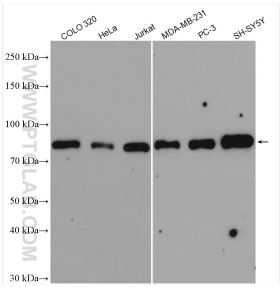
Selected Validation Data



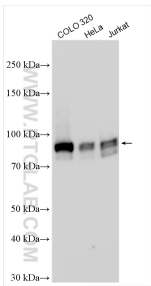
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 51009-2-AP (BRD7 antibody) at dilution of 1:100 (under 10x lens).



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.