

BubR1 Polyclonal antibody

Catalog Number: 11504-2-AP

Featured Product

14 Publications

Basic Information

Catalog Number: 11504-2-AP	GenBank Accession Number: BC018739	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 701	Recommended Dilutions: WB 1:500-1:1000 IHC 1:100-1:400 IF 1:20-1:200
Source: Rabbit	Full Name: budding uninhibited by benzimidazoles 1 homolog beta (yeast)	
Isotype: IgG	Calculated MW: 1050 aa, 120 kDa	
Immunogen Catalog Number: AG2053	Observed MW: 120-130 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : mouse testis tissue, K-562 cells, HeLa cells, human testis tissue
Species Specificity: human, mouse	IHC : human colon cancer tissue,
Cited Species: human, mouse	IF : SKOV-3 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

BUB1B (Mitotic checkpoint serine/threonine-protein kinase BUB1 beta), also named as BUBR1, MAD3 and SSK1, belongs to the BUB1 subfamily. Human BUB1B is a 120 kDa protein that plays a central role in the spindle assembly checkpoint (SAC), the evolutionary conserved and self-regulatory system of higher organisms that monitors and repairs defects in chromosome segregation in mitotic cells (PMID:22201036). In addition to phosphorylation, BUB1B is also subjected to posttranslational modifications including acetylation (PMID:22167194). Defects in BUB1B are the cause of premature chromatid separation trait (PCS) and mosaic variegated aneuploidy syndrome type 1 (MVA1).

Notable Publications

Author	Pubmed ID	Journal	Application
Xie Mengyan	36176446	Front Pharmacol	WB
Zhi-Chuan Zhu	29520102	Oncogene	WB
Fengjie Yuan	31291454	Nucleic Acids Res	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.

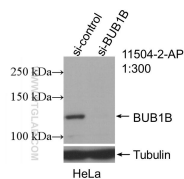
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

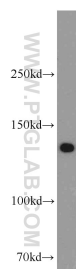
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

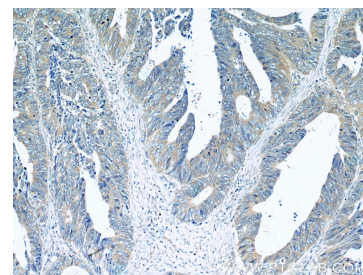
Selected Validation Data



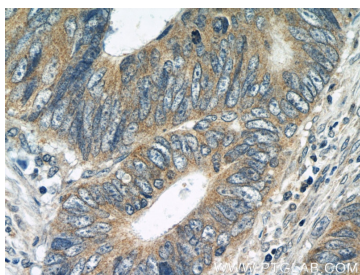
WB result of BubR1 antibody (11504-2-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-BubR1 transfected HeLa cells.



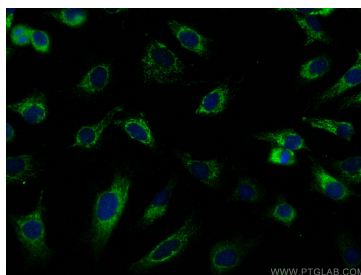
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11504-2-AP (BubR1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



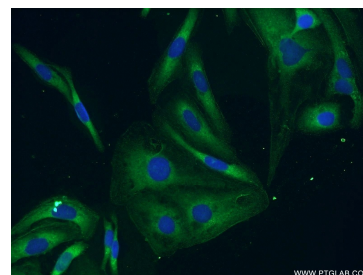
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11504-2-AP (BubR1 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11504-2-AP (BubR1 antibody at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed SKOV-3 cells using BubR1 antibody (11504-2-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of SKOV-3 cells using 11504-2-AP (BubR1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).