

For Research Use Only

# BubR1 Polyclonal antibody

Catalog Number: 11504-2-AP

Featured Product

14 Publications



## Basic Information

**Catalog Number:**

11504-2-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2053

**GenBank Accession Number:**

BC018739

**GeneID (NCBI):**

701

**UNIPROT ID:**

O60566

**Full Name:**

budding uninhibited by  
benzimidazoles 1 homolog beta  
(yeast)

**Calculated MW:**

1050 aa, 120 kDa

**Observed MW:**

120-130 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:100-1:400

IF 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

IF, IHC, WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Positive Controls:**

**WB** : mouse testis tissue, K-562 cells, HeLa cells,  
human testis tissue

**IHC** : human colon cancer tissue,

**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

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

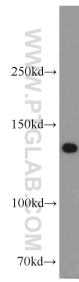
T: 4006900926

E: Proteintech-CN@ptglab.com

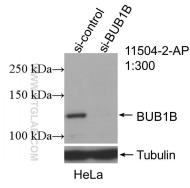
W: ptgcn.com

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

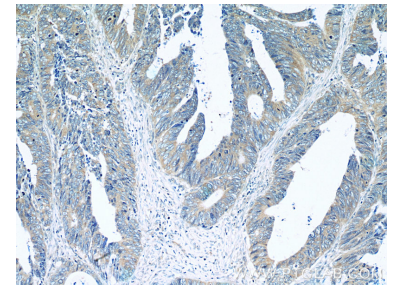
## Selected Validation Data



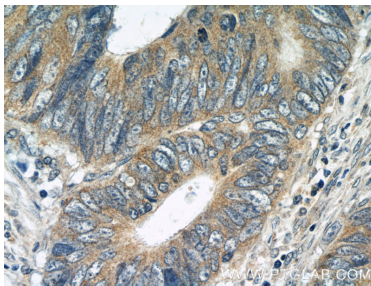
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11504-2-AP (BubR1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



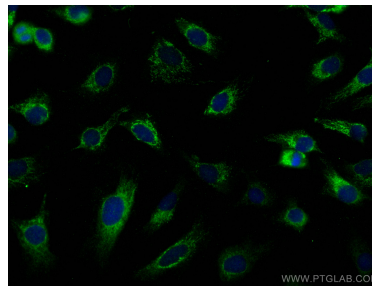
WB result of BubR1 antibody (11504-2-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-BubR1 transfected HeLa cells.



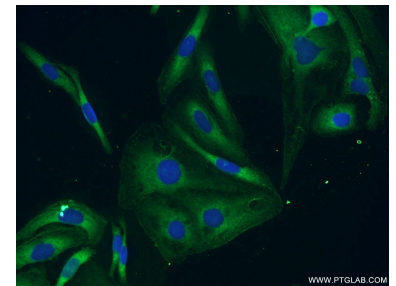
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11504-2-AP (BubR1 antibody at dilution of 1:200 (under 10x lens).



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).