

For Research Use Only

BUB1B Polyclonal antibody

Catalog Number: 11504-2-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

11504-2-AP

Size:

300 ug/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 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

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

IHC : human cervical cancer tissue, human colon
cancer tissue

IF/ICC : 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:

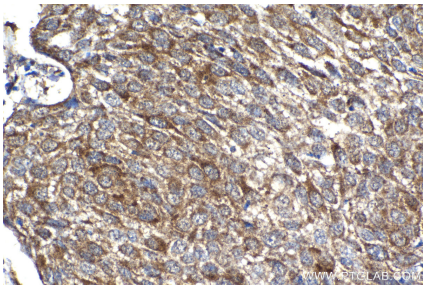
T: 4006900926

E: Proteintech-CN@ptglab.com

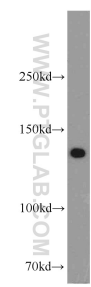
W: ptgcn.com

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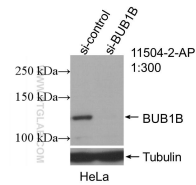
Selected Validation Data



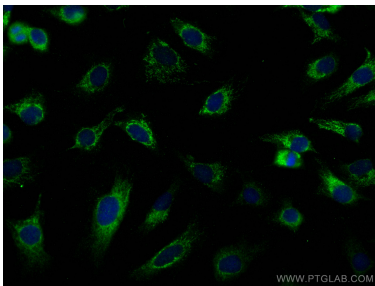
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 11504-2-AP (BubR1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



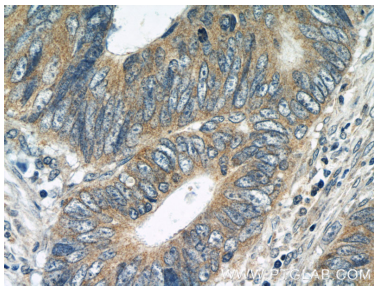
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11504-2-AP (BubR1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.



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).



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