

For Research Use Only

BUB1B Recombinant antibody

Catalog Number: 83920-6-RR



Basic Information

Catalog Number:

83920-6-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34182

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:

130 kDa

Purification Method:

Protein A purification

CloneNo.:

240969F7

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:200-1:800

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

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 : HeLa cells, Raji cells

IHC : mouse lung tissue,

IF/ICC : HeLa cells,

Background Information

BUB1B(Mitotic checkpoint serine/threonine-protein kinase BUB1 beta), also named 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 subjected to posttranslational modifications including acetylation(PMID:22167194). Defects in BUB1B cause premature chromatid separation trait (PCS) and mosaic variegated aneuploidy syndrome type 1 (MVA1).

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:

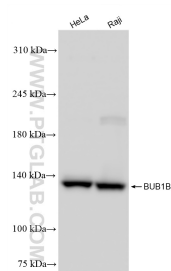
T: 4006900926

E: Proteintech-CN@ptglab.com

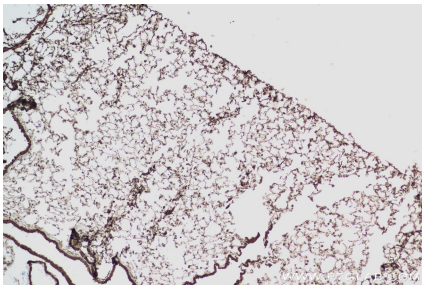
W: ptgcn.com

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Selected Validation Data



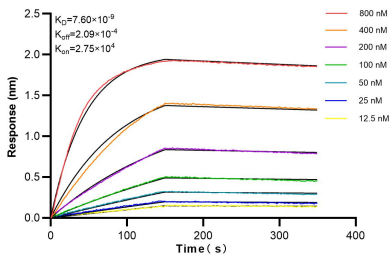
Various lysates were subjected to SDS PAGE followed by western blot with 83920-6-RR (BUB1B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 83920-6-RR (BUB1B antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using BUB1B antibody (83920-6-RR, Clone: 240969F7) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 83920-6-RR against Human BUB1B were performed. The affinity constant is 7.60 nM.