

For Research Use Only

# BUB1B Monoclonal antibody

Catalog Number: 60423-1-Ig



## Basic Information

<b>Catalog Number:</b> 60423-1-Ig	<b>GenBank Accession Number:</b> BC018739	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 701	<b>CloneNo.:</b> 3B2D5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O60566	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> budding uninhibited by benzimidazoles 1 homolog beta (yeast)	
<b>Immunogen Catalog Number:</b> AG34182	<b>Calculated MW:</b> 1050 aa, 120 kDa	
	<b>Observed MW:</b> 120-130 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HaCaT cells, Saos-2 cells, U2OS cells, HeLa cells, HEK-293 cells, Ramos 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 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).

## Storage

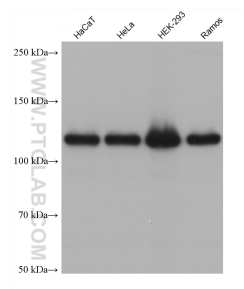
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

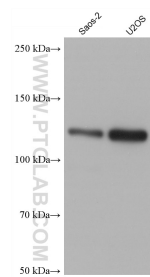
For technical support and original validation data for this product please contact:  
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60423-1-Ig (BUB1B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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