

## BubR1 Polyclonal Antibody

Catalog number: 11504-2-AP

Size: 37 µg/150 µl

Source: Rabbit

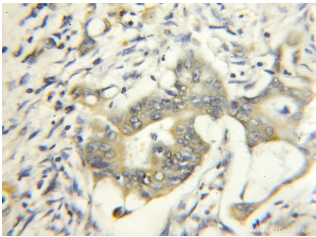
Isotype: IgG

Synonyms:

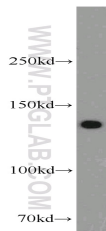
BUB1B; Bub1A, BUB1B,

BUB1beta, BubR1, hBUBR1,

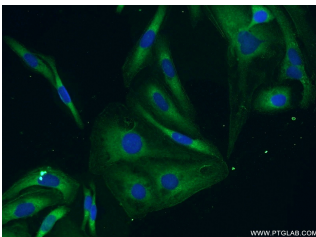
MAD3L, Protein SSK1, SSK1



Immunohistochemical of paraffin-embedded human colon cancer using 11504-2-AP (BUB1B antibody) at dilution of 1:10 (under 10x lens)



mouse testis tissue were subjected to SDS PAGE followed by western blot with 11504-2-AP (BUB1B antibody) at dilution of 1:500



Immunofluorescent analysis of SKOV-3 cells using 11504-2-AP (BUB1B Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

### Background

BUB1B (Mitotic checkpoint serine/threonine-protein kinase BUB1 beta), also named as BUBR1, MAD3L 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).

### Applications

Tested applications:	ELISA, WB, IHC, IF
Cited applications:	IF
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Mouse
Calculated BubR1 MW:	1050aa, 120 kDa
Observed BubR1 MW:	120-130 kDa
Positive WB detected in	Mouse testis tissue, HeLa cells, human testis tissue, K-562 cells
Positive IHC detected in	Human colon cancer tissue
Positive IF detected in	SKOV-3 cells
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:10-1:100 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2053
GenBank accession number:	BC018739
Gene ID (NCBI):	701
Full name:	Budding uninhibited by benzimidazoles 1 homolog beta (yeast)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.