

Product datasheet for **TA396754**

BubR1 (BUB1B) Mouse Monoclonal Antibody [Clone ID: 8G1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8G1
Applications:	ELISA, IF, IP, WB
Recommended Dilution:	WB: 1:200 - 1:1,000 IF: 1:200 - 1:1,000 ELISA: 1:5,000 - 1:20,000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This protein A purified monoclonal antibody was produced by repeated immunizations with a recombinant protein corresponding to amino acid residues 1-350 of human BUBR1 Kinase protein.
Specificity:	This Protein A purified antibody is directed against human BUBR1 Kinase protein. The product was purified from tissue culture supernatant by chromatography. This antibody has only been tested on human cells. Reactivity against homologues from other sources is not known.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Stability:	Expiration date is one (1) year from date of receipt.
Gene Name:	BUB1 mitotic checkpoint serine/threonine kinase B
Database Link:	Entrez Gene 701 Human O60566



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- Background:** BUBR1 Kinase (BUB1-related protein kinase) is a probable component of the mitotic checkpoint that delays anaphase until all chromosomes are properly attached to the mitotic spindle. This protein can interact with BUB3, CENP-F, CENP-E and mitosin. BUBR1 Kinase is found within the cytoplasm in interphase cells, but when bound to BUB3 or CENP-E, it can be localized to nuclear kinetochores. This protein is highly expressed in thymus followed by spleen. Defects in BUB1B are associated with tumor formation.
- Synonyms:** mouse anti-BUBR1 antibody, Beta homolog of *S. cerevisiae* budding uninhibited by benzimidazoles antibody, BUB1 budding uninhibited by benzimidazoles 1 homolog beta antibody, Bub1A antibody, Mitotic checkpoint serine/threonine-protein kinase BUB1 beta, Mitotic checkpoint kinase MAD3L, MAD3/BUB1-related protein kinase, hBUBR1
- Note:** This protein A purified antibody has been tested for use in immunoprecipitation, immunofluorescence staining and western blot and is capable of detecting endogenous protein. Specific conditions for reactivity should be optimized by the end user. Expect a predominant band at ~ 120 kDa corresponding to full-length protein by western blotting in the appropriate cell lysate or extract. Higher MW bands may be seen that may be due to hyper-phosphorylation of the protein. The use of HeLa whole cell lysates is recommended as a positive control. For IF microscopy use cells grown on cover slips fixed with 3.5% paraformaldehyde in PBS at pH 6.8. Permeabilize fixed cells with 0.2% Triton X-100 in 25 mM Tris Cl, pH 7.4 containing 0.1% BSA.