BUB1B monoclonal antibody, clone 8G1

Catalog # MAB1929 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant BUB1B.
Immunogen	Recombinant protein corresponding to amino acids 1-350 of human BUB1B.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western Blot (1:200-1:1000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunofluorescence
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — BUB1B

Entrez GeneID	701
Protein Accession#	O60566;NP_001202
Gene Name	BUB1B
Gene Alias	BUB1beta, BUBR1, Bub1A, MAD3L, SSK1, hBUBR1
Gene Description	budding uninhibited by benzimidazoles 1 homolog beta (yeast)
Omim ID	114500 602860
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a kinase involved in spindle checkpoint function. The protein has been localized to the kinetochore and plays a role in the inhibition of the anaphase-promoting complex/cyclosome (APC/C), delaying the onset of anaphase and ensuring proper chromosome segregation. Impaired spindle checkpoint function has been found in many forms of cancer. [provided by RefSeq
Other Designations	BUB1 budding uninhibited by benzimidazoles 1 homolog beta|MAD3/BUB1-related protein kinase|budding uninhibited by benzimidazoles 1, beta

Publication Reference

- Characterization of the kinetochore binding domain of CENP-E reveals interactions with the kinetochore proteins CENP-F and hBUBR1.

  Chan GK, Schaar BT, Yen TJ.

  The Journal of Cell Biology 1998 Oct; 143(1):49.

- Mutations of mitotic checkpoint genes in human cancers.

  Cahill DP, Lengauer C, Yu J, Riggins GJ, Willson JK, Markowitz SD, Kinzler KW, Vogelstein B.

  Nature 1998 Mar; 392(6673):300.

Pathway

- Cell cycle

Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Kidney Failure
- Lung Neoplasms
- Pulmonary Disease