

KD-Validated Anti-BUB3 Mitotic Checkpoint Protein Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1359

Product Information

Application	WB, FC, ICC
Primary Accession	O43684
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB3085
Calculated MW	37155
Gene Name	BUB3
Aliases	BUB3; BUB3 Mitotic Checkpoint Protein; BUB3L; Mitotic Checkpoint Protein BUB3; BUB3 (Budding Uninhibited By Benzimidazoles 3, Yeast) Homolog; Budding Uninhibited By Benzimidazoles 3 Homolog (Yeast); BUB3 Budding Uninhibited By Benzimidazoles 3 Homolog; Budding Uninhibited By Benzimidazoles 3 Homolog; Testicular Tissue Protein Li 27; Budding Uninhibited By Benomyl; Mitotic Checkpoint Component; HBUB3
Immunogen	A synthesized peptide derived from human Bub3

Additional Information

Gene ID	9184
Other Names	Mitotic checkpoint protein BUB3, BUB3

Protein Information

Name	BUB3
Function	Has a dual function in spindle-assembly checkpoint signaling and in promoting the establishment of correct kinetochore-microtubule (K-MT) attachments. Promotes the formation of stable end-on bipolar attachments. Necessary for kinetochore localization of BUB1. Regulates chromosome segregation during oocyte meiosis. The BUB1/BUB3 complex plays a role in the inhibition of anaphase-promoting complex or cyclosome (APC/C) when spindle-assembly checkpoint is activated and inhibits the ubiquitin ligase activity of APC/C by phosphorylating its activator CDC20. This complex can also phosphorylate MAD1L1.
Cellular Location	Nucleus. Chromosome, centromere, kinetochore. Note=Starts to localize at kinetochores in prometaphase I (Pro-MI) stage and maintains the localization until the metaphase I- anaphase I (MI-AI) transition.

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