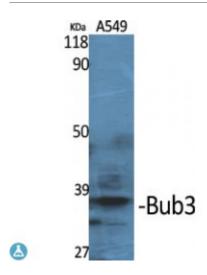
Anti-Bub3 antibody



Description Rabbit polyclonal to Bub3.

Model STJ91913

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IF, IHC, WB

Immunogen Synthesized peptide derived from human Bub3

Immunogen Region 260-340 aa, C-terminal

Gene ID 9184

Gene Symbol <u>BUB3</u>

Dilution range WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000

Specificity Bub3 Polyclonal Antibody detects endogenous levels of Bub3 protein.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Mitotic checkpoint protein BUB3

Molecular Weight 40 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:11510MIM:603719</u>

Alternative Names Mitotic checkpoint protein 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 Localization Nucleus. Chromosome, centromere, kinetochore. Starts to localize at

kinetochores in prometaphase I (Pro-MI) stage and maintains the localization

until the metaphase I-anaphase I (MI-AI) transition.

Post-translational Modifications

Poly-ADP-ribosylated by PARP1.

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