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35-1351: Polyclonal Antibody to Bub3 (Phospho-Tyr207)

Clonality: Polyclonal

Application: WB

Reactivity: Human, Mouse, Rat

Gene : BUB3
Gene ID : 9184
Uniprot ID : 043684
Format : Purified

Alternative Name:

Mitotic checkpoint protein BUB3, Hbub3, BUB3 budding uninhibited by benzimidazoles 3

homolog, budding uninhibited by benomyl

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of Tyrosine 207 (V-E-Y(p)-L-D) derived from

Human Bub3.

Description

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.

Product Info

Amount : 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blotting: 1:1000

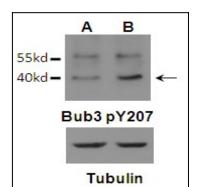


Figure 1: Western blot analysis of Bub3 (Phospho-Tyr207)Antibody 35-1351 (arrow indicated) in U87 (A) and U87 EGFRVIII (B) cells in Mitosis.