

BUB1 (F818) polyclonal antibody

Catalog: BCP00299

Host: Rabbit

Reactivity: Human

BackGround:

Human cells contain two related protein kinases, BUB1 and BUBR1, that appear to have evolved from a single ancestral BUB1 gene. Both kinases are concentrated near the surface of the kinetochore where they monitor kinetochore-microtubule interactions. BUB1 and BUBR1 bind to kinetochores and are postulated to be components of the mitotic checkpoint, which monitors kinetochore activities to determine if chromosomes have achieved alignment at the spindle equator. BUBR1 is essential for normal mitotic progression as it prevents cells from prematurely entering anaphase. BUB3 is a conserved component of the mitotic spindle assembly complex and is also involved with the essential spindle checkpoint pathway that operates during early embryogenesis.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 122 kDa

Swiss-Prot:

O43683

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

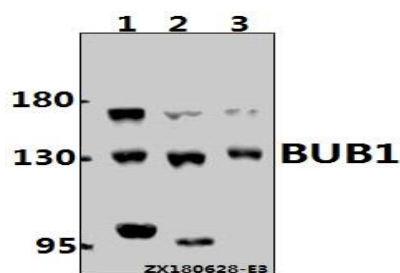
WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

BUB1 (F818) polyclonal antibody detects endogenous levels of BUB1 protein.

DATA:

Western blot (WB) analysis of BUB1 (F818) pAb at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:HuT78 whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.