

Product Datasheet

BUB1 Antibody

Catalog No: AY1425

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB



www.abways.com

Information

UniProt ID: O43683

All Names: BUB1A; BUB1L; hBUB1; MBUB1; Mitotic checkpoint BUB1

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

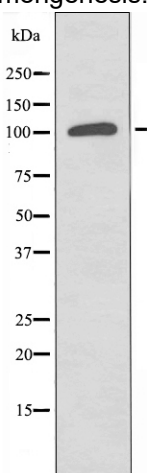
Molecular Wt.: 120 KD

Application

WB 1:500~1:1000

Background

Acts as a substrate for anaphase-promoting complex or cyclosome (APC/C) in complex with its activator CDH1 (APC/C-Cdh1). Necessary for ensuring proper chromosome segregation and binding to BUB3 is essential for this function. Can regulate chromosome segregation in a kinetochore-independent manner. Can phosphorylate BUB3. The BUB1-BUB3 complex plays a role in the inhibition of 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. Kinase activity is essential for inhibition of APC/CCDC20 and for chromosome alignment but does not play a major role in the spindle-assembly checkpoint activity. Mediates cell death in response to chromosome missegregation and acts to suppress spontaneous tumorigenesis.



Western blot analysis of extracts from K562 cells and COLO205 cells, using BUB1 antibody.

For Research Use Only. Not For Use In Diagnostic Procedures.

www.abways.com