

## Product datasheet for **AP55089SU-N**

### **BubR1 (BUB1B) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/200-1/2000. <b>Immunohistochemistry:</b> 1/50-1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from N-terminal domain of Human BUB1B
Specificity:	Reacts with Human 115 kDa protein. Reacts with cleaved protein and cross reacts with Mouse BUB1 protein.
Formulation:	State: Serum State: Lyophilized powder Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	BUB1 mitotic checkpoint serine/threonine kinase B
Database Link:	<a href="#">Entrez Gene 701 Human O60566</a>



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**Background:**

Metaphase checkpoint controls sense abnormalities in chromosome alignment during mitosis and prevent progression to anaphase until proper alignment has been attained. A number of proteins, including Mitotic arrest deficiency protein 2 (MAD2), Budding uninhibited benzimidazole 1 (BUB1) and Budding uninhibited benzimidazole receptor 1 (BUBR1), have been implicated in the metaphase checkpoint control in mammalian cells. BUB1 and BUBR1 both localize to kinetochores during mitosis, suggesting that they play a role in delaying anaphase until all chromosomes achieve correct, bipolar attachment to the spindle. BUB1 and BUBR1 respond differently to spindle dynamics; they are part of a common complex during mitosis and BUB1 and BUBR1 may integrate different 'spindle assembly signals' into a single signal which can then be interpreted by downstream cell cycle regulators.

**Synonyms:**

Protein SSK1, BUBR1, MAD3L, BUB1 beta