

# BUBR1 Rabbit mAb

Catalog # AP76413

#### **Product Information**

**Application** WB, IHC-P, IP **Primary Accession** 060566

**Reactivity** Human, Hamster

**Host** Rabbit

**Clonality** Monoclonal Antibody

Calculated MW 119545

#### **Additional Information**

Gene ID 701

Other Names BUB1B

**Dilution** WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A

Format 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and

0.05% BSA.

**Storage** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

### **Protein Information**

Name BUB1B

Synonyms BUBR1, MAD3L, SSK1

**Function** Essential component of the mitotic checkpoint. Required for normal mitosis

progression. The mitotic checkpoint delays anaphase until all chromosomes are properly attached to the mitotic spindle. One of its checkpoint functions is to inhibit the activity of the anaphase- promoting complex/cyclosome (APC/C) by blocking the binding of CDC20 to APC/C, independently of its kinase activity. The other is to monitor kinetochore activities that depend on the kinetochore motor CENPE. Required for kinetochore localization of CENPE. Negatively regulates PLK1 activity in interphase cells and suppresses

centrosome amplification. Also implicated in triggering apoptosis in polyploid cells that exit aberrantly from mitotic arrest. May play a role for tumor

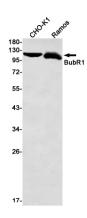
suppression.

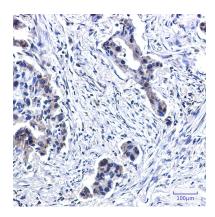
**Cellular Location** Cytoplasm. Nucleus. Chromosome, centromere, kinetochore. Cytoplasm,

cytoskeleton, microtubule organizing center, centrosome. Note=Cytoplasmic in interphase cells. Associates with the kinetochores in early prophase.

Kinetochore localization requires BUB1, PLK1 and KNL1

## **Images**





Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.