

# BUBR1 Rabbit mAb

Catalog # AP76412

## Product Information

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<b>Application</b>	WB, IP, ICC
<b>Primary Accession</b>	<a href="#">O60566</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	119545

## Additional Information

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<b>Gene ID</b>	701
<b>Other Names</b>	BUB1B
<b>Dilution</b>	WB~~1/500-1/1000 IP~~N/A ICC~~N/A
<b>Format</b>	Liquid

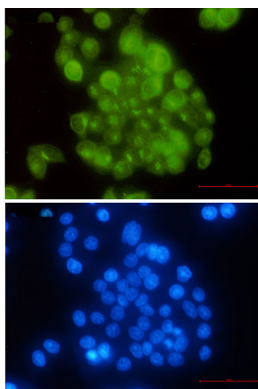
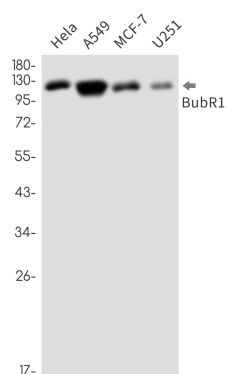
## Protein Information

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<b>Name</b>	BUB1B
<b>Synonyms</b>	BUBR1, MAD3L, SSK1
<b>Function</b>	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.
<b>Cellular Location</b>	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
<b>Tissue Location</b>	Highly expressed in thymus followed by spleen. Preferentially expressed in tissues with a high mitotic index

## Images

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