

BUB1B / BubR1 Antibody (clone 3F2)
Mouse Monoclonal Antibody
Catalog # ALS13282**Specification**

BUB1B / BubR1 Antibody (clone 3F2) - Product Information

Application	WB, IHC
Primary Accession	O60566
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	120kDa KDa

BUB1B / BubR1 Antibody (clone 3F2) - Additional Information**Gene ID** 701**Other Names**

Mitotic checkpoint serine/threonine-protein kinase BUB1 beta, 2.7.11.1, MAD3/BUB1-related protein kinase, hBUBR1, Mitotic checkpoint kinase MAD3L, Protein SSK1, BUB1B, BUBR1, MAD3L, SSK1

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

BUB1B / BubR1 Antibody (clone 3F2) is for research use only and not for use in diagnostic or therapeutic procedures.

BUB1B / BubR1 Antibody (clone 3F2) - 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

Tissue Location

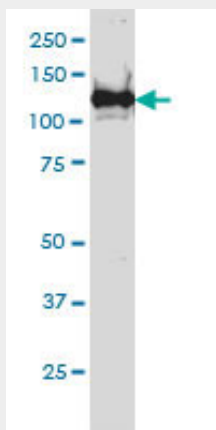
Highly expressed in thymus followed by spleen. Preferentially expressed in tissues with a high mitotic index

BUB1B / BubR1 Antibody (clone 3F2) - Protocols

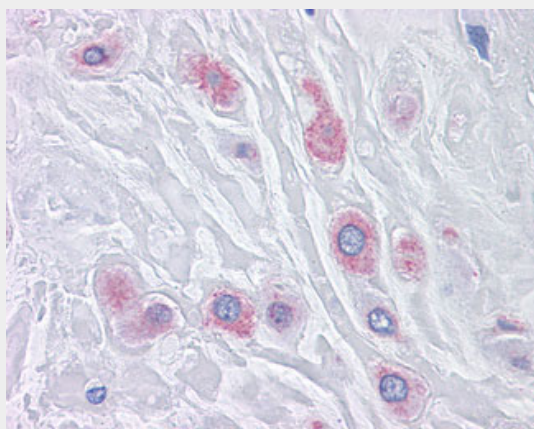
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BUB1B / BubR1 Antibody (clone 3F2) - Images



BUB1B monoclonal antibody, clone 3F2 Western blot of BUB1B expression in HeLa NE.



Anti-BUB1B / BubR1 antibody IHC of human placenta.

BUB1B / BubR1 Antibody (clone 3F2) - Background

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BUB1B / BubR1 Antibody (clone 3F2) - References

Donadelli R., et al. Biochem. Biophys. Res. Commun. 246:881-887(1998).
Taylor S.S., et al. J. Cell Biol. 142:1-11(1998).
Chan G.K.T., et al. J. Cell Biol. 143:49-63(1998).
Cahill D.P., et al. Nature 392:300-303(1998).
Davenport J.W., et al. Genomics 55:113-117(1999).