

Product datasheet for **TA500606BM**

BubR1 (BUB1B) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI10E7]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI10E7 |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | WB 1:1000, IHC 1:50, IF 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full-length protein expressed in 293T cell transfected with human BUB1B expression vector |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 119.5 kDa |
| Gene Name: | BUB1 mitotic checkpoint serine/threonine kinase B |
| Database Link: | NP_001202 Entrez Gene 701 Human O60566 |
| Background: | This gene encodes a kinase involved in spindle checkpoint function. The protein has been localized to the kinetochore and plays a role in the inhibition of the anaphase-promoting complex/cyclosome(APC/C), delaying the onset of anaphase and ensuring proper chromosome segregation. Impaired spindle checkpoint function has been found in many forms of cancer. |
| Synonyms: | Bub1A; BUB1beta; BUBR1; hBUBR1; MAD3L; MVA1; SSK1 |

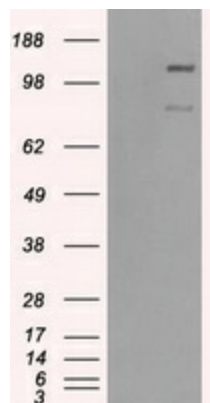


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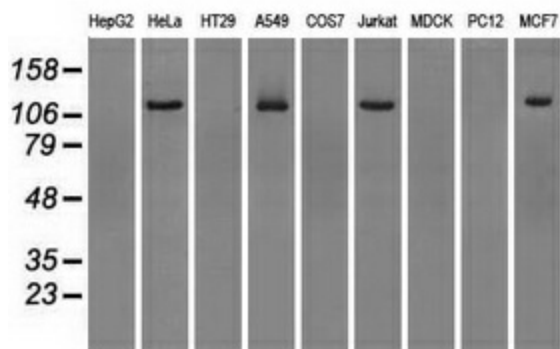
Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Protein Pathways: Cell cycle

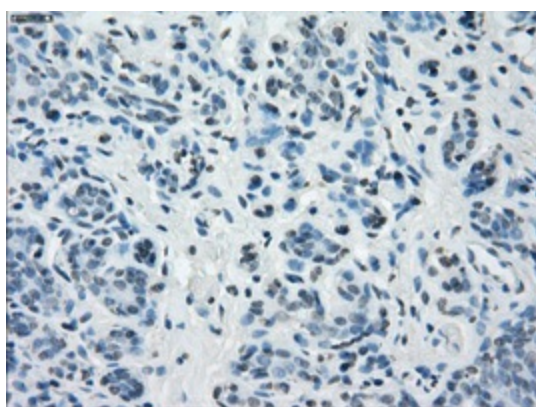
Product images:



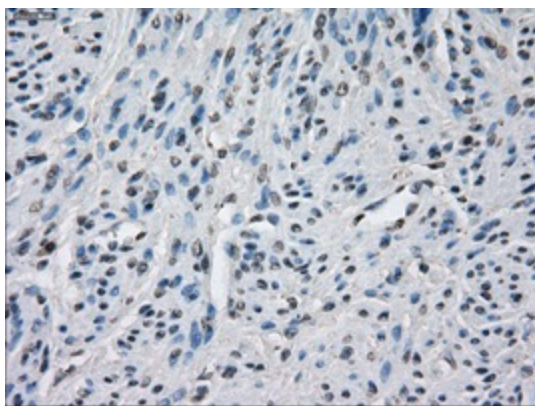
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BUB1B ([RC205844], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BUB1B. Positive lysates [LY420068] (100ug) and [LC420068] (20ug) can be purchased separately from OriGene.



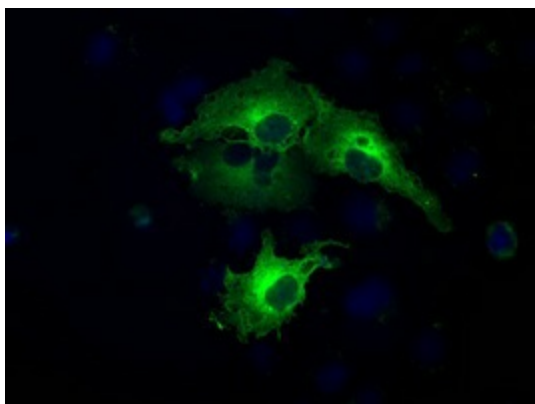
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-BUB1B monoclonal antibody.



Immunohistochemical staining of paraffin-embedded breast tissue within the normal limits using anti-BUB1B mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500606], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded endometrium tissue within the normal limits using anti-BUB1B mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500606], Dilution 1:50)



Anti-BUB1B mouse monoclonal antibody ([TA500606]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BUB1B ([RC205844]).