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Product datasheet for CF500607

BubR1 (BUB1B) Mouse Monoclonal Antibody [Clone ID: OTI6E5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI6E5
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB: 1:200 - 1:1000, IHC 1:50, IF 1:100, Flow 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:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
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

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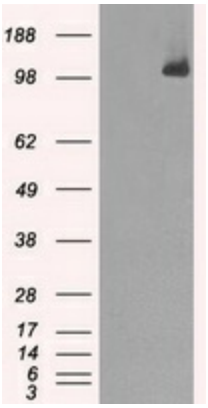
Background: This gene encodes a kinase involved in spindle checkpoint function. The protein has been localized to the kinetochore and plays a role in the inhibition of the anaphase-promoting complex/cyclosome(APC/C), delaying the onset of anaphase and ensuring proper chromosome segregation. Impaired spindle checkpoint function has been found in many forms of cancer.

Synonyms: Bub1A; BUB1beta; BUBR1; hBUBR1; MAD3L; MVA1; SSK1

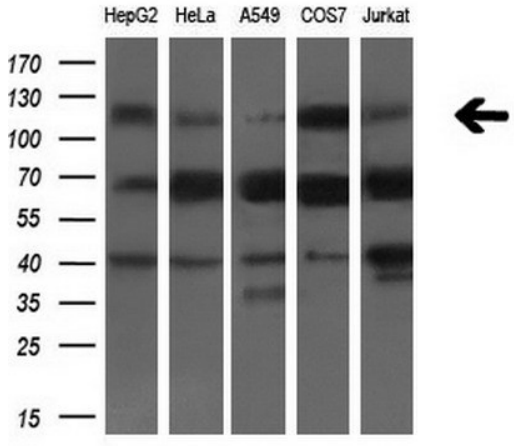
Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency

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 (10ug) from 5 different cell lines by using anti-BUB1B monoclonal antibody (1:200).

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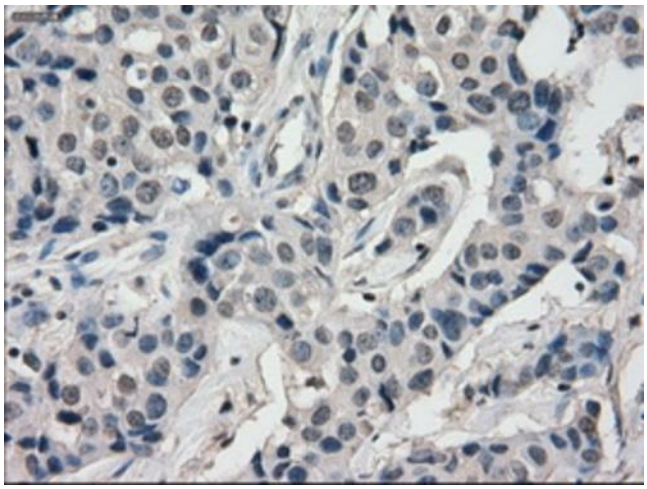
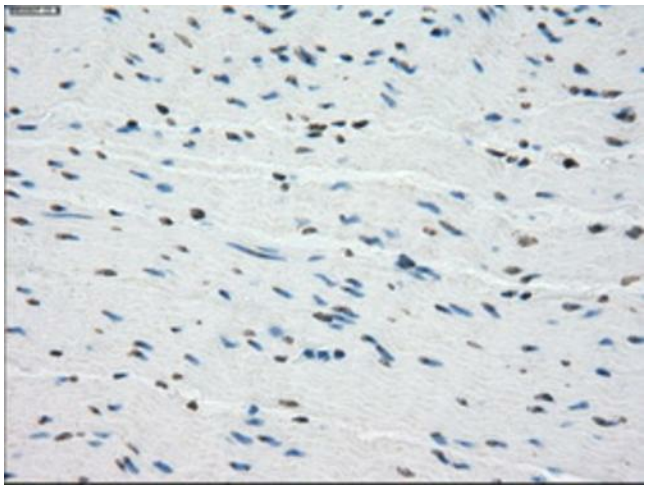
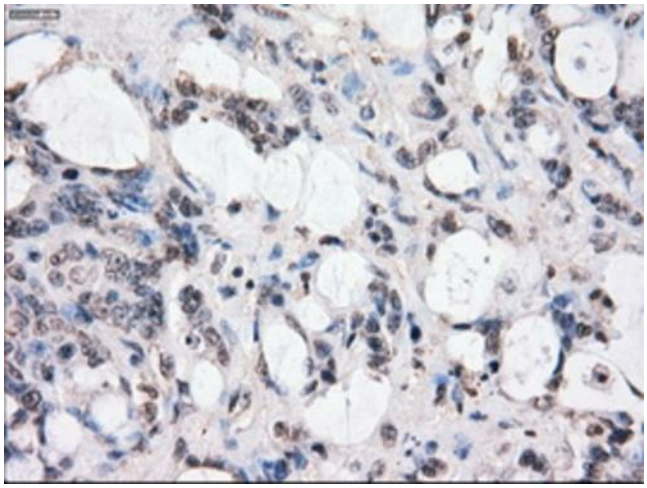


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-BUB1B mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500607], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded colon tissue within the normal limits using anti-BUB1Bmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500607], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-BUB1Bmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500607], Dilution 1:50)

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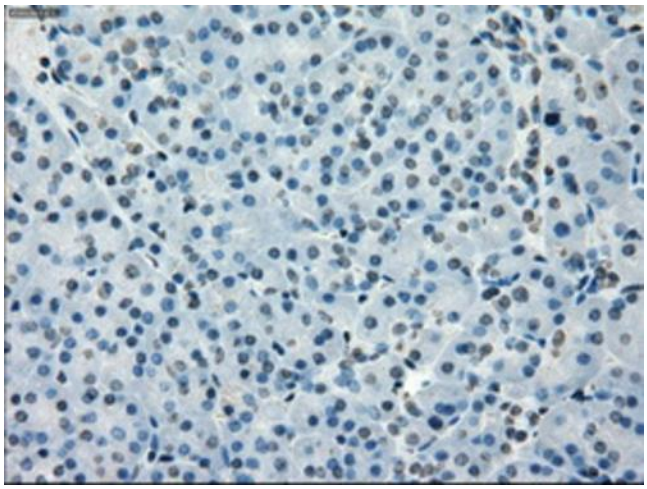
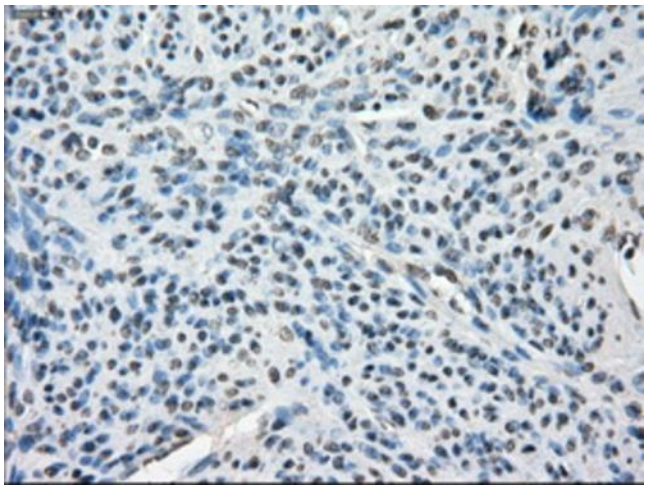
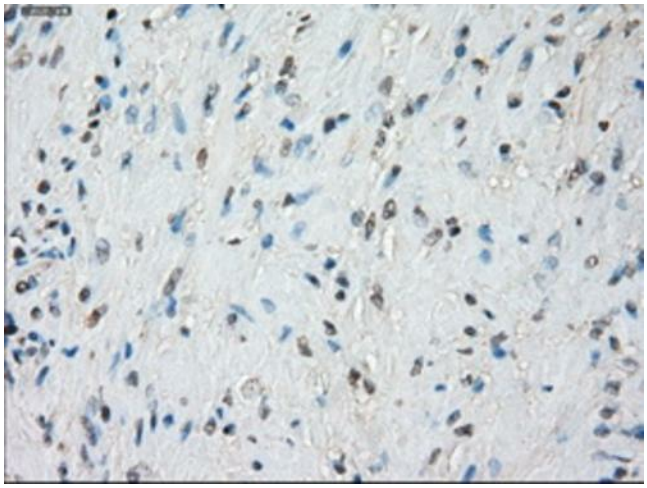


Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-BUB1Bmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500607], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded endometrium tissue within the normal limits using anti-BUB1Bmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500607], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded prostate tissue within the normal limits using anti-BUB1Bmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500607], Dilution 1:50)

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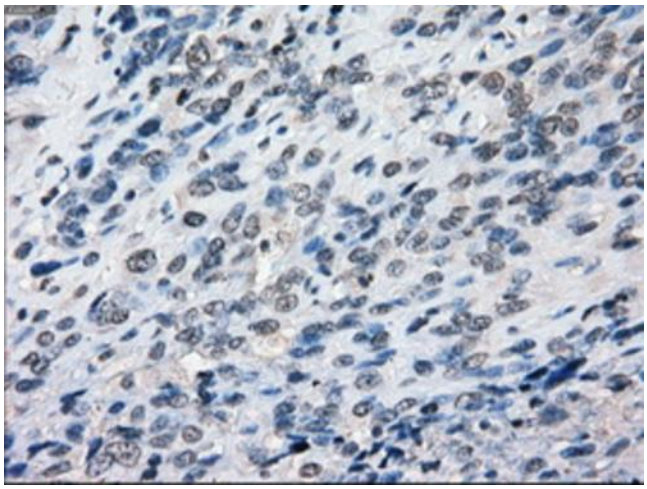
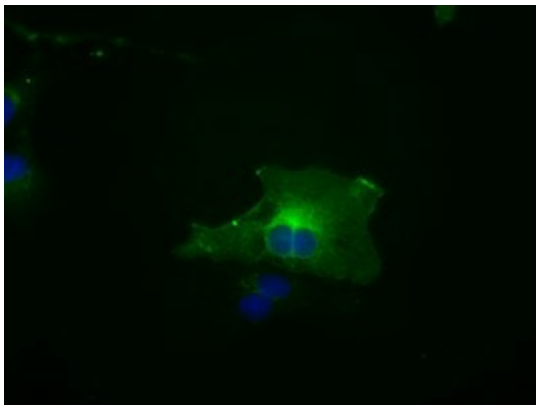
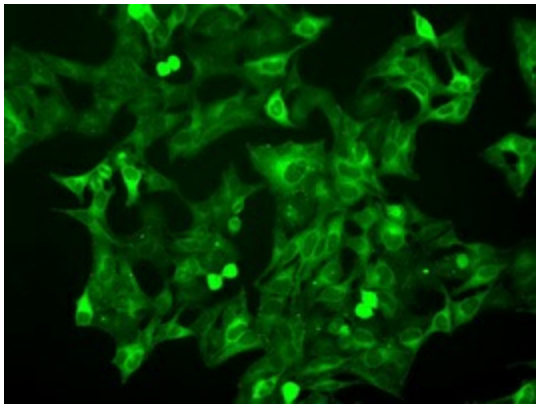


Immunohistochemical staining of paraffin-embedded Carcinoma of bladder tissue using anti-BUB1Bmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500607], Dilution 1:50)



Anti-BUB1B mouse monoclonal antibody ([TA500607]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BUB1B ([RC205844]).



Immunofluorescent staining of HeLa cells using anti-BUB1B mouse monoclonal antibody ([TA500607]).

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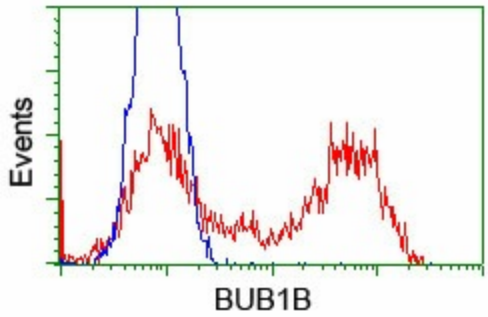

HEK293T cells transfected with either pCMV6-ENTRY BUB1B ([RC205844]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-BUB1B mouse monoclonal ([TA500607], Dilution 1:1,000), and then analyzed by flow cytometry.

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