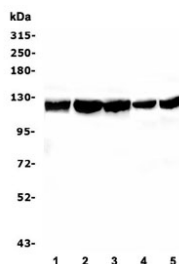


BubR1 Antibody / BUB1B (RQ5566)

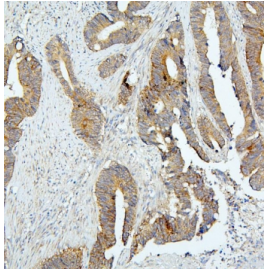
Catalog No.	Formulation	Size
RQ5566	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

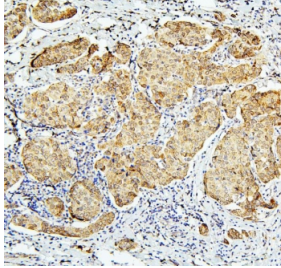
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O60566
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.25-0.5ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This BubR1 antibody is available for research use only.



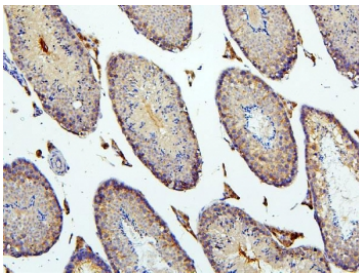
Western blot testing of human 1) HL-60, 2) HEK293, 3) MDA-MB-453, 4) Caco-2 and 5) PC-3 cell lysate with BubR1 antibody. Predicted molecular weight ~120 kDa.



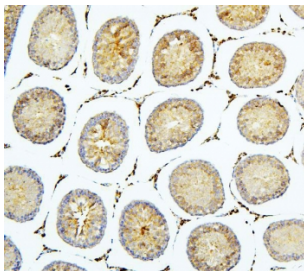
IHC staining of FFPE human colon cancer with BubR1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



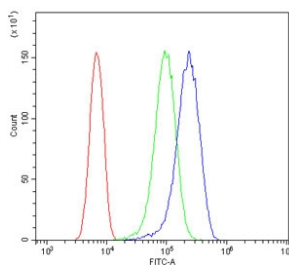
IHC staining of FFPE human breast cancer with BubR1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



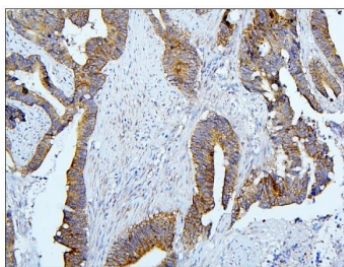
IHC staining of FFPE mouse testis with BubR1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



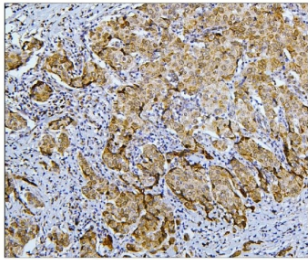
IHC staining of FFPE rat testis with BubR1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



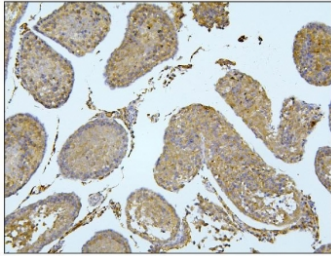
Flow cytometry testing of human U-87 MG cells with BubR1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= BubR1 antibody.



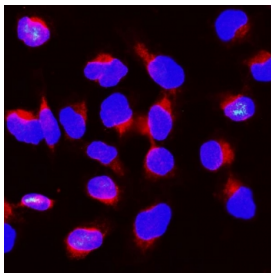
IHC staining of FFPE human colon cancer with BubR1 antibody. HIER: boil tissue sections in pH8 EDTA buffer for 20 min and allow to cool before testing.



IHC staining of FFPE human breast cancer with BubR1 antibody. HIER: boil tissue sections in pH8 EDTA buffer for 20 min and allow to cool before testing.



IHC staining of FFPE rat testis tissue with BubR1 antibody. HIER: boil tissue sections in pH8 EDTA buffer for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human U-2 OS cells with BubR1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

Mitotic checkpoint serine/threonine-protein kinase BUB1 beta is an enzyme that in humans is encoded by the BUB1B gene. 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.

Application Notes

Optimal dilution of the BubR1 antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids K26-E448) was used as the immunogen for the BubR1 antibody.

Storage

After reconstitution, the BubR1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

