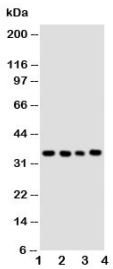
Bub3 Antibody (R30729)

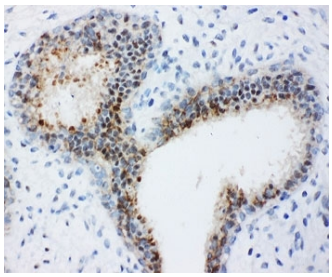
Catalog No.	Formulation	Size
R30729	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

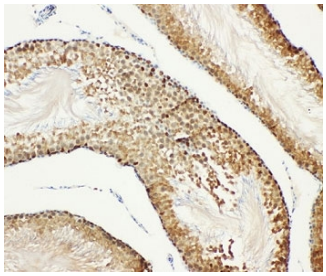
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O43684
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml Immunocytochemistry : 0.5-1ug/ml
Limitations	This Bub3 antibody is available for research use only.



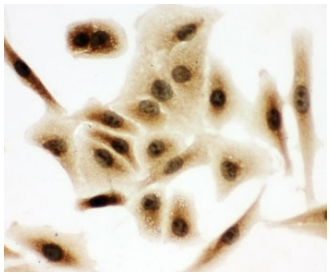
Western blot testing of Bub3 antibody and Lane 1: HeLa; 2: A549; 3: Jurkat; 4: COLO320 cell lysate



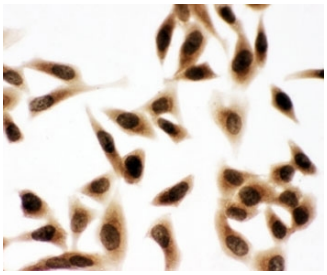
IHC-P: Bub3 antibody testing of human breast cancer tissue



IHC-P: Bub3 antibody testing of rat testis tissue



ICC testing of A549 cells



ICC testing of HeLa cells

Description

Budding uninhibited by benzimidazoles 3 is a protein that in humans is encoded by the BUB3 gene. It is a protein involved with the regulation of the Spindle Assembly Checkpoint (SAC); though Bub3 is non-essential in yeast, it is essential in higher eukaryotes. As one of the checkpoint proteins, it delays the irreversible onset of anaphase through direction of kinetochore localization during prometaphase to achieve biorentation. Bub3 directs the localization of Bub1 at the kinetochore in order to activate the SAC. It also acts as a regulator in that it affects binding of Mad3 to Mad2.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Bub3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Bub3 (DHQLKMHDLNTDQEN) was used as the immunogen for this Bub3 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the Bub3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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