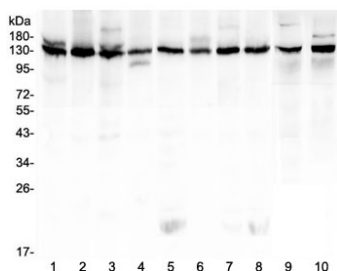


Bub1 Antibody (R31556)

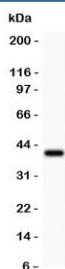
Catalog No.	Formulation	Size
R31556	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O43683
Gene ID	699
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Bub1 antibody is available for research use only.



Western blot testing of human 1) K562, 2) HeLa, 3) 293T, 4) A431, 5) Caco-2, 6) PC-3, 7) MCF7, 8) U-2 OS, 9) rat testis and 10) mouse testis lysate with Bub1 antibody at 0.5ug/ml. Predicted molecular weight ~122 kDa.



Western blot testing of Bub1 antibody and recombinant human partial protein (0.5ng)

Description

Budding uninhibited by benzimidazoles 1, also known as Mitotic checkpoint serine/threonine kinase, is an enzyme that in humans is encoded by the BUB1 gene. It was first identified in genetic screens of *Saccharomyces cerevisiae*. The protein is bound to kinetochores and plays a key role in the establishment of the mitotic spindle checkpoint and chromosome congression. The mitotic checkpoint kinase is evolutionary conserved in organisms as diverse as *Saccharomyces cerevisiae* and humans. Loss-of-function mutations or absence of Bub1 has been reported to result in aneuploidy, chromosomal instability (CIN) and premature senescence. Bub1 possesses versatile and distinct functions during the cell cycle, mainly in the SAC and chromosome alignment during metaphase.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Bub1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 731-1085) was used as the immunogen for this Bub1 antibody.

Storage

After reconstitution, the Bub1 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.