

Bub3 Rabbit mAb

Catalog No: #49949

Package Size: #49949-1 50ul #49949-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

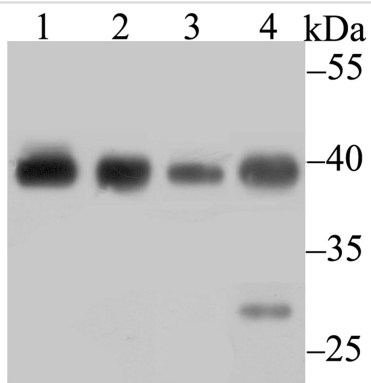
Description

Product Name	Bub3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG38-81
Purification	ProA affinity purified
Applications	WB,ICC,IF,IP,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein corresponding to the N-terminus of human Bub3.
Other Names	Aa2-050 antibody AU019800 antibody AU021329 antibody AU043350 antibody AW146323 antibody BUB 3 antibody BUB 3L antibody BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog antibody bub3 antibody BUB3 budding uninhibited by benzimidazoles 3 homolog antibody BUB3 mitotic checkpoint protein antibody BUB3_HUMAN antibody BUB3L antibody Budding uninhibited by benomyl antibody Budding uninhibited by benzimidazoles 3 antibody Budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae) antibody Budding uninhibited by benzimidazoles 3 homolog (yeast) antibody Budding uninhibited by benzimidazoles 3 homolog antibody Budding uninhibited by benzimidazoles 3, S. cerevisiae, homolog of antibody C78067 antibody hBUB3 antibody Mitotic checkpoint component antibody Mitotic checkpoint protein bub3 antibody OTTHUMP00000020679 antibody OTTHUMP00000020680 antibody WD repeat type I transmembrane protein A72.5 antibody
Accession No.	Swiss-Prot#:O43684
Uniprot	O43684
GeneID	9184;
Calculated MW	37 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

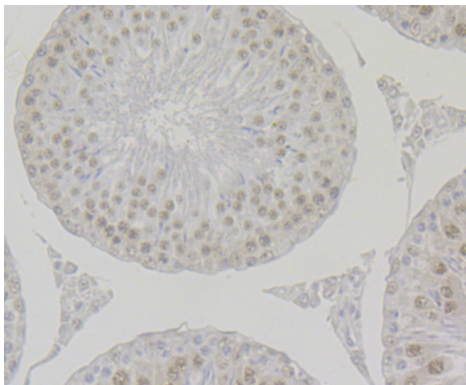
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200IP: 1:10-1:50FC: 1:50-1:100

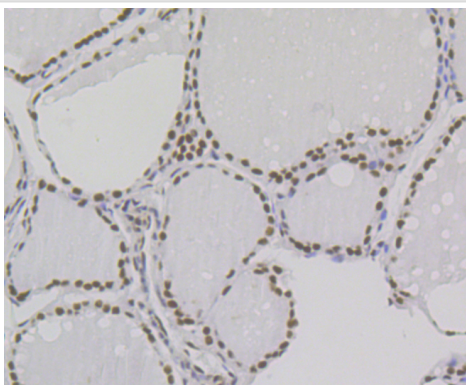
Images



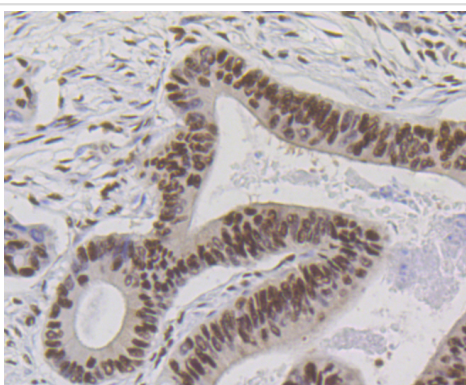
Western blot analysis of Bub3 on different lysates using anti-Bub3 antibody at 1/500 dilution. Positive control: Lane 1: A549 Lane 2: HL-60 Lane 3: A431 Lane 4: Rat colon



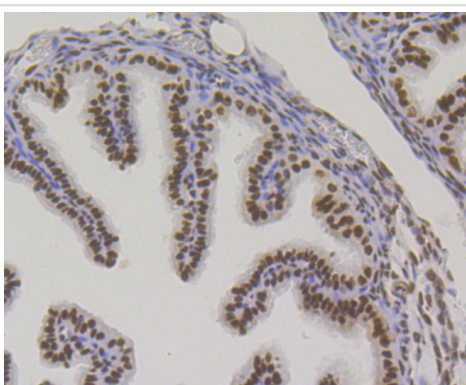
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Bub3 antibody. Counter stained with hematoxylin.



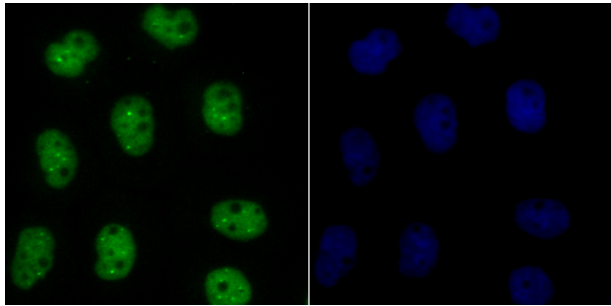
Immunohistochemical analysis of paraffin-embedded human thyroid gland tissue using anti-Bub3 antibody. Counter stained with hematoxylin.



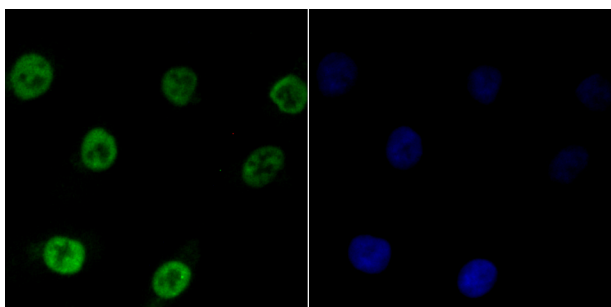
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Bub3 antibody. Counter stained with hematoxylin.



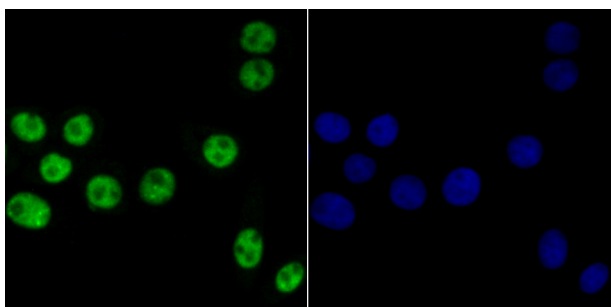
Immunohistochemical analysis of paraffin-embedded mouse fallopian tissue using anti-Bub3 antibody. Counter stained with hematoxylin.



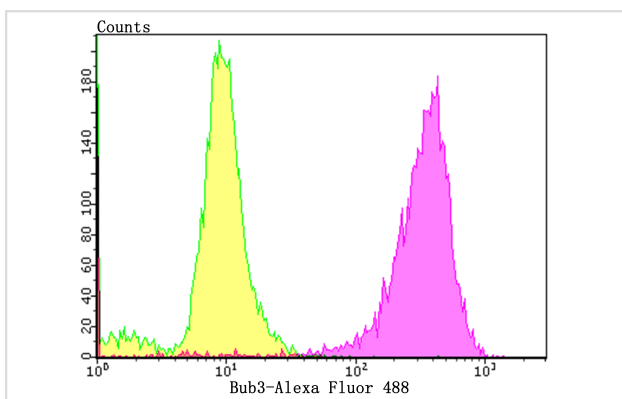
ICC staining Bub3 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Bub3 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Bub3 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of PC-3M cells with Bub3 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

BUB3 (budding uninhibited by benzimidazoles 3 homolog), also known as BUB3L or hBUB3, is a conserved component of the mitotic spindle assembly complex (MCC). It contains five WD repeat domains and forms cell cycle constitutive complexes with BUB1 and BUBR1. BUB3 is essential for the kinetochore localization of BUB1 and BUBR1. As a component of the MCC, BUB3 is involved in the essential spindle checkpoint pathway that operates during early embryogenesis. The spindle checkpoint pathway functions to postpone the initiation of anaphase until chromosomes are properly attached to the spindle. This acts to ensure accurate chromosome segregation. In addition, BUB3 plays a role in regulating the establishment of correct kinetochore-microtubule attachments. BUB3 is also thought to bind Tctex1L (or DYNLT3), a dynein light chain.

References

Note: This product is for in vitro research use only