
Product Name: KD-Validated BUB3 Mitotic Checkpoint Protein Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01366**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 37.2kDa

Antigen Information

Gene Name	BUB3 BUB3; BUB3 Mitotic Checkpoint Protein; BUB3L; Mitotic Checkpoint Protein BUB3; BUB3 (Budding Uninhibited By Benzimidazoles 3, Yeast) Homolog; Budding Uninhibited By
Alternative Names	Benzimidazoles 3 Homolog (Yeast); BUB3 Budding Uninhibited By Benzimidazoles 3 Homolog; Budding Uninhibited By Benzimidazoles 3 Homolog; Testicular Tissue Protein Li 27; Budding Uninhibited By Benomyl; Mitotic Checkpoint Component; HBUB3
Gene ID	9184.0
SwissProt ID	O43684
Immunogen	A synthesized peptide derived from human Bub3

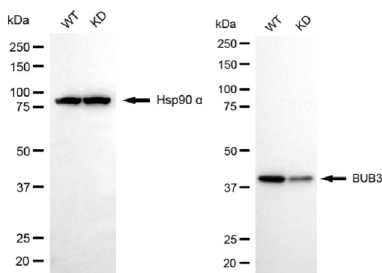
Background

This gene encodes a protein involved in spindle checkpoint function. The encoded protein contains four WD repeat domains and has sequence similarity with the yeast BUB3 protein. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

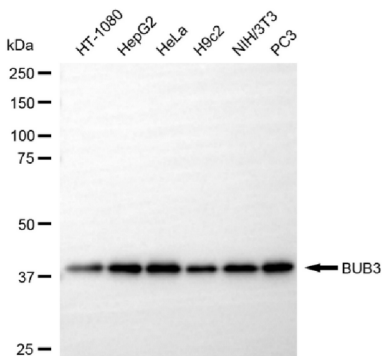
Research Area

Cell Biology

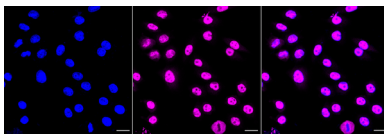
Image Data



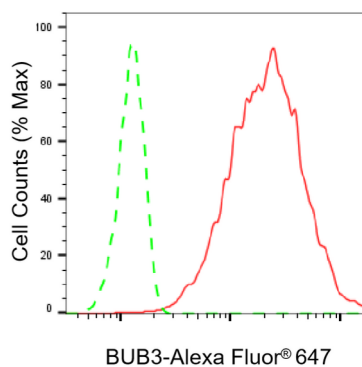
Western blotting analysis using BUB3 antibody (KVA01366). BUB3 expression in wild type (WT) and BUB3 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BUB3 antibody (KVA01366, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using BUB3 antibody (KVA01366). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BUB3 antibody (KVA01366, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with BUB3 antibody (KVA01366, 1:1,000). Nuclei were stained blue with DAPI; BUB3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of BUB3 expression in HepG2 cells using BUB3 antibody (KVA01366, 1:2,000). Green, isotype control; red, BUB3.