Product Name: KD-Validated BubR1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00228
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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: 119.5kDa

Antigen Information

Gene Name	BUB1B
Alternative Names	BUB1 Mitotic Checkpoint Serine/Threonine Kinase B; BUBR1; MAD3L; SSK1; Bub1A; Mitotic Checkpoint Serine/Threonine-Protein Kinase BUB1 Beta; MAD3/BUB1-Related Protein Kinase; Mitotic Checkpoint Kinase MAD3L; HBUBR1; Budding Uninhibited By Benzimidazoles 1 (Yeast Homolog), Beta; Budding Uninhibited By Benzimidazoles 1 Homolog Beta (Yeast); Budding Uninhibited By Benzimidazoles 1 Homolog Beta; BUB1B, Mitotic Checkpoint Serine/Threonine Kinase; Protein SSK1; EC 2.7.11.1; BUB1beta; MVA1
Gene ID	701.0
SwissProt ID	O60566
Immunogen	A synthesized peptide derived from human BubR1

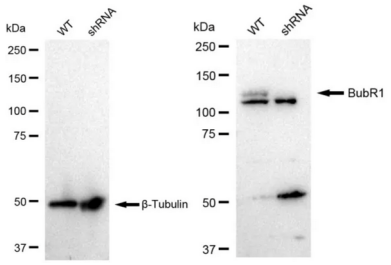
Background

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. [provided by RefSeq, Jul 2008]

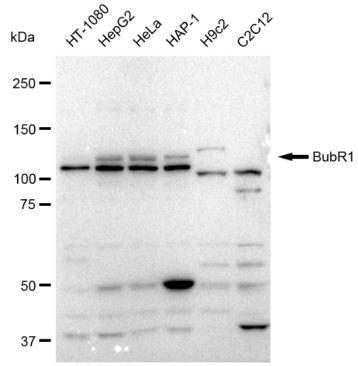
Research Area

Cell Biology,Epigenetics and Nuclear Signaling,Cancer

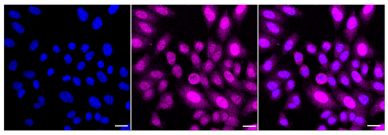
Image Data



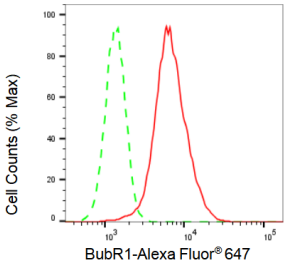
Western blotting analysis using BubR1 antibody (KVAb00228). BubR1 expression in wild type (WT) and BubR1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with BubR1 antibody (KVAb00228, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using BubR1 antibody (KVAb00228). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BCL11 transcription factor B antibody (KVAb00228, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with BubR1 antibody (KVAb00228, 1:1,000). Nuclei were stained blue with DAPI; BubR1 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 BubR1 expression in HepG2 cells using BubR1 antibody (KVAb00228, 1:2,000). Green, isotype control; red, BubR1.