Product Name: KD-Validated BRMS1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01646
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 28.5kDa

Antigen Information

Gene Name	BRMS1
Alternative Names	BRMS1; BRMS1 Transcriptional Repressor And Anoikis Regulator; Breast Cancer Metastasis Suppressor 1; Breast Cancer Metastasis-Suppressor 1; DKFZP564A063
Gene ID	25855.0
SwissProt ID	Q9HCU9
Immunogen	A synthesized peptide derived from BRMS1

Background

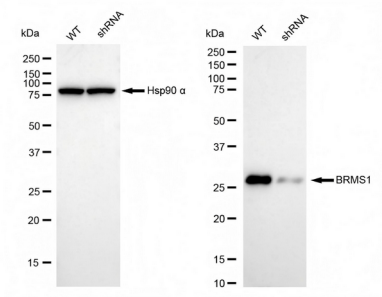
This gene reduces the metastatic potential, but not the tumorogenicity, of human breast cancer and melanoma cell lines. The protein encoded by this gene localizes primarily to the nucleus and is a component of the mSin3a family of histone deacetylase complexes (HDAC). The protein contains two coiled-coil motifs and several imperfect leucine zipper motifs. Alternative splicing

results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

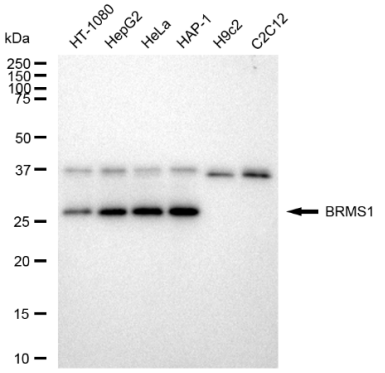
Research Area

Epigenetics and Nuclear Signaling

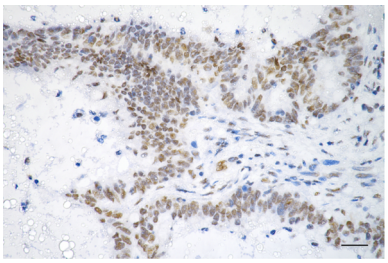
Image Data



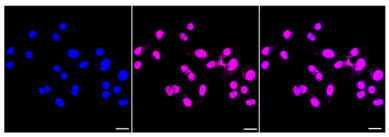
Western blotting analysis using BRMS1 antibody (KVAb01646). BRMS1 expression in wild type (WT) and BRMS1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BRMS1 antibody (KVAb01646, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



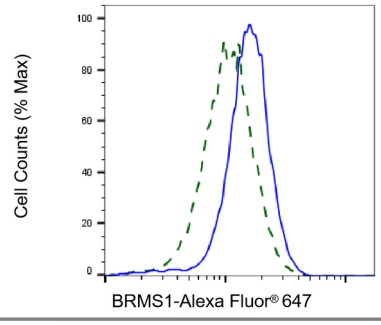
Western blotting analysis using BRMS1 antibody (KVAb01646). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BRMS1 antibody (KVAb01646, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



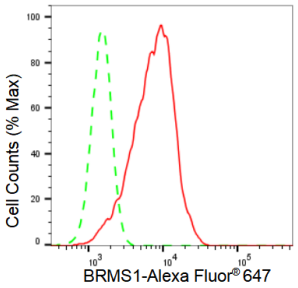
Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using BRMS1 antibody (KVAb01646, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with BRMS1 antibody (KVAb01646, 1:1,000). Nuclei were stained blue with DAPI; BRMS1 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.



Validation of BRMS1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with BRMS1 antibody (KVAb01646, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of BRMS1 expression in HepG2 cells using BRMS1 antibody (KVAb01646, 1:2,000). Green, isotype control; red, BRMS1.