10320 Camino Santa Fe, Suite G
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KD-Validated Anti-BRMS1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1151

Specification

KD-Validated Anti-BRMS1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	Q9HCU9
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 28 kDa , observed, 28 kDa KDa**
Gene Name	**BRMS1**
Aliases	**BRMS1; BRMS1 Transcriptional Repressor And Anoikis Regulator; Breast Cancer Metastasis Suppressor 1; Breast Cancer Metastasis-Suppressor 1; DKFZP564A063**
Immunogen	**A synthesized peptide derived from BRMS1**

KD-Validated Anti-BRMS1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**25855**

Other Names
Breast cancer metastasis-suppressor 1, BRMS1

KD-Validated Anti-BRMS1 Rabbit Monoclonal Antibody - Protein Information

Name BRMS1

Function
Transcriptional repressor. Down-regulates transcription activation by NF-kappa-B by promoting the deacetylation of RELA at 'Lys-310'. Promotes HDAC1 binding to promoter regions. Down-regulates expression of anti-apoptotic genes that are controlled by NF-kappa-B. Promotes apoptosis in cells that have inadequate adherence to a substrate, a process called anoikis, and may thereby inhibit metastasis. May be a mediator of metastasis suppression in breast carcinoma.

Cellular Location
Nucleus. Cytoplasm. Note=Predominantly nuclear.

Tissue Location
Expression levels are higher in term placentas than in early placentas. Low levels of expression observed in normal pregnancies and in molar pregnancies.

KD-Validated Anti-BRMS1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

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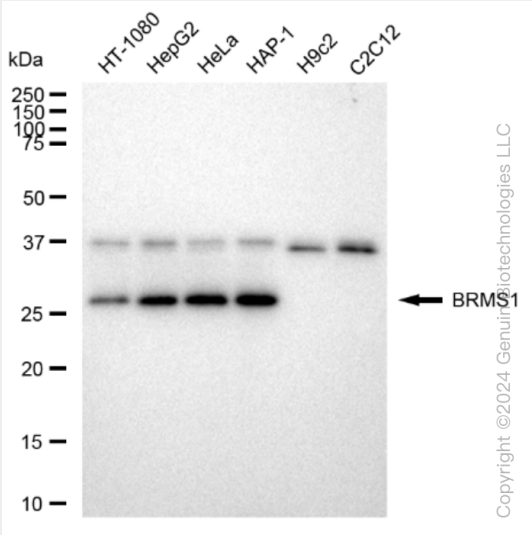
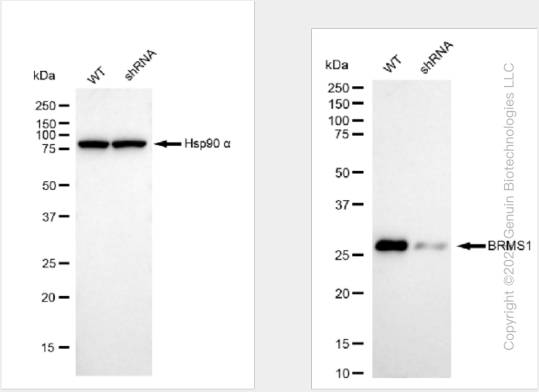
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-BRMS1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-BRMS1 antibody (Cat#AGI1151). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-BRMS1 antibody (Cat#AGI1151, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-BRMS1 antibody (Cat#AGI1151). BRMS1 expression in wild type (WT) and BRMS1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-BRMS1 antibody (Cat#AGI1151, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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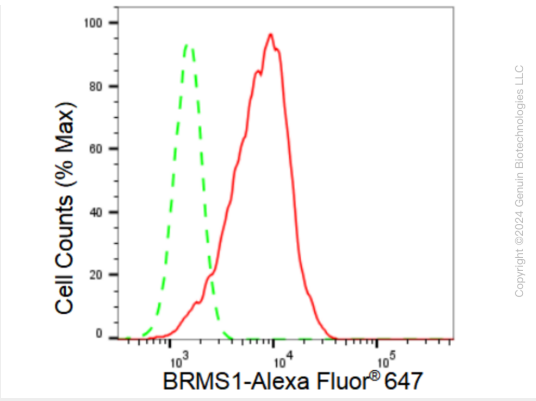
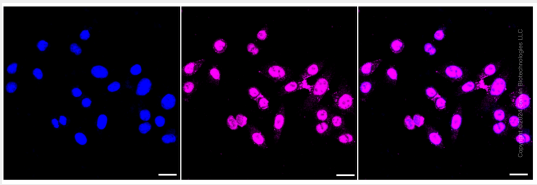


Flow cytometric analysis of BRMS1 expression in HepG2 cells using BRMS1 antibody (Cat#AGI1151, 1:2,000). Green, isotype control; red, BRMS1.



Immunocytochemical staining of HepG2 cells with BRMS1 antibody (Cat#AGI1151, 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.