

Anti-BRMS1 antibody [EPR7202] - BSA and Azide free ab248760

Recombinant RabMAb

8 Images

Overview

Product name	Anti-BRMS1 antibody [EPR7202] - BSA and Azide free
Description	Rabbit monoclonal [EPR7202] to BRMS1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P, IP Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, 293T, HepG2, and Human colon cancer lysates; IHC: Human colon and placenta tissues; ICC/IF: HepG2 cells. IP: HeLa.
General notes	<p>ab248760 is the carrier-free version of ab134968.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7202
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248760 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt.

Target

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

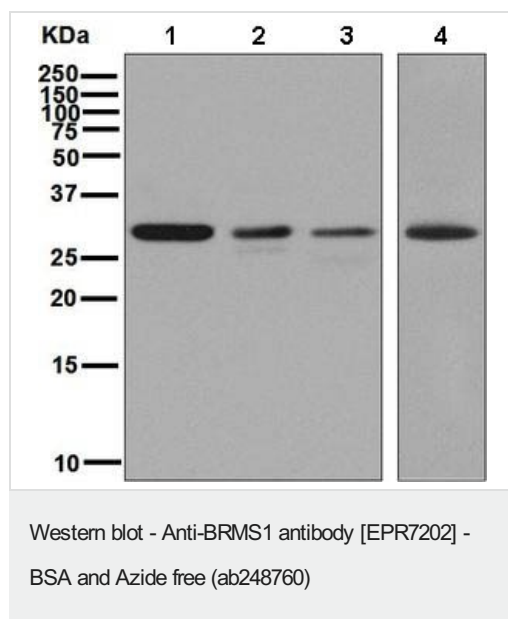
Sequence similarities

Belongs to the BRMS1 family.

Cellular localization

Nucleus. Cytoplasm. Predominantly nuclear.

Images



All lanes : Anti-BRMS1 antibody [EPR7202] ([ab134968](#)) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293T cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : Human colon cancer lysate

Lysates/proteins at 10 µg per lane.

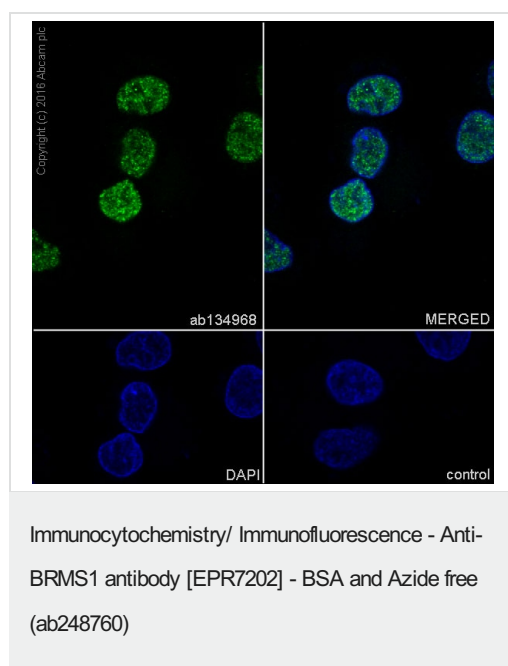
Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 28 kDa

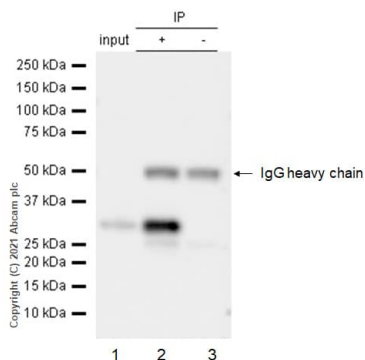
Observed band size: 28 kDa

This data was developed using [ab134968](#), the same antibody clone in a different buffer formulation.



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Immunofluorescence staining of HepG2 cells with purified [ab134968](#) at a working dilution of 1/1000, counter-stained with DAPI. The secondary antibody was an Alexa Fluor® 488 conjugated goat anti-rabbit ([ab150077](#)), used at a dilution of 1/1000. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative control is shown in bottom right hand panel - for the negative control, PBS was used instead of the primary antibody.



Immunoprecipitation - Anti-BRMS1 antibody
[EPR7202] - BSA and Azide free (ab248760)

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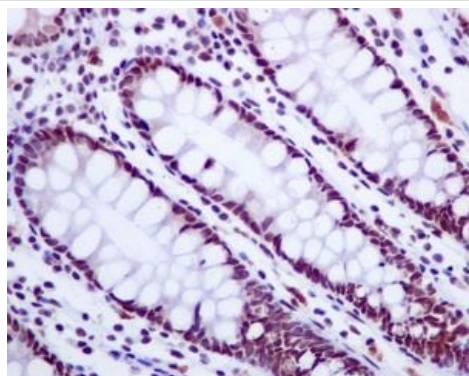
BRMS1 was immunoprecipitated from 0.35 mg HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg with [ab134968](#) at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg

Lane 2: abab134968 IP in HeLa whole cell lysate

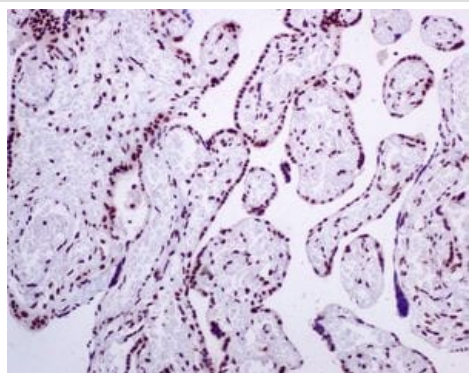
Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of [ab134968](#) in HeLa whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.



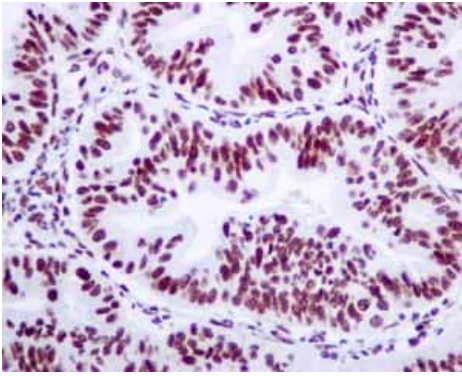
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRMS1 antibody
[EPR7202] - BSA and Azide free (ab248760)

This data was developed using [ab134968](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling BRMS1 with [ab134968](#) at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



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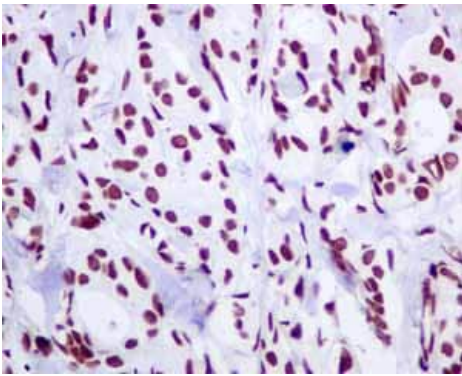
This data was developed using [ab134968](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human placenta tissue labelling BRMS1 with [ab134968](#) at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRMS1 antibody [EPR7202] - BSA and Azide free (ab248760)

This data was developed using [ab134968](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis using [ab134968](#) showing positive staining in Ovarian carcinoma tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

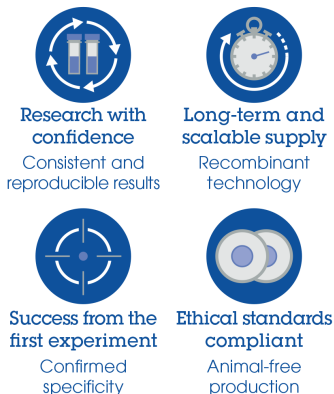


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRMS1 antibody [EPR7202] - BSA and Azide free (ab248760)

This data was developed using [ab134968](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis using [ab134968](#) showing positive staining in Breast carcinoma tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Anti-BRMS1 antibody [EPR7202] - BSA and Azide free (ab248760)

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