Product name: Anti-BRMS1 antibody [EPR7202] ab134968

Description: Rabbit monoclonal [EPR7202] to BRMS1

Host species: Rabbit

Tested applications: Suitable for: WB, IHC-P, ICC/IF, IP

Unsuitable for: Flow Cyt

Species reactivity: Reacts with: Human

Immunogen: Synthetic peptide within Human BRMS1 (N terminal). The exact sequence is proprietary.


General notes: This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer: pH: 7.2
Preservative: 0.01% Sodium azide
Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity: Protein A purified
Clonality: Monoclonal
Clone number: EPR7202
Isotype: IgG

Applications

The Abpromise guarantee: Our Abpromise guarantee covers the use of ab134968 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/1000 - 1/10000. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa).</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td></td>
<td>1/250 - 1/500.</td>
</tr>
<tr>
<td>IP</td>
<td></td>
<td>1/10 - 1/100.</td>
</tr>
</tbody>
</table>

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.


Images
Western blot - Anti-BRMS1 antibody [EPR7202] (ab134968)

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

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.
BRMS1 was immunoprecipitated from 0.35 mg HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg with 134968 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:** ab134968 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.

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.
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.

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.

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.
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors