abcam

Product datasheet

Anti-BRCC36 antibody [EPR4366] ab108411

敲除 验证 重组 RabMAb

<u>4 References</u> 4 图像

概述

产品名称	Anti-BRCC36 抗体 [EPR4366]
描述	兔 单 克隆抗体 [EPR4366] to BRCC36
宿主	Rabbit
经测试应 用	适用于: WB, Flow Cyt (Intra) 不适用于: ICC/IF or IHC-P
种属反 应性	与反应: Mouse, Human
	预测可用于: Rat 🔺
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性 对 照	WB: HeLa, MCF7, SKBR-3, HAP1 and 293T cell lysates Flow Cyt (intra): permeabilized HeLa cells
常 规说 明	 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.

性能	
形式	Liquid
存 放 说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯 度	Tissue culture supernatant
克隆	单 克隆

同种型

Abpromise™承诺保证使用ab108411于以下的经测试应用 The Abpromise guarantee

"应用说明"部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/10000 - 1/50000. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).
Flow Cyt (Intra)		1/100 - 1/500. <u>ab172730</u> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

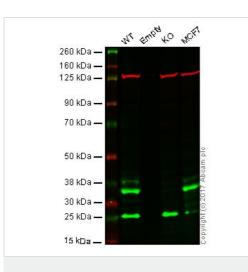
应用说明

Is unsuitable for ICC/IF or IHC-P.

靶标

功能	Metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains (PubMed:19214193, PubMed:20656690, PubMed:24075985, PubMed:26344097). Does not have activity toward 'Lys-48'-linked polyubiquitin chains. Component of the BRCA1-A complex, a complex that specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). In the BRCA1-A complex, it specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX, antagonizing the RNF8-dependent ubiquitination at double-strand breaks (DSBs) (PubMed:20656690). Catalytic subunit of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin in various substrates (PubMed:20656690, PubMed:24075985, PubMed:26344097, PubMed:26195665). Mediates the specific 'Lys-63'-specific deubiquitination associated with the COP9 signalosome complex (CSN), via the interaction of the BRISC complex with the CSN complex (PubMed:19214193). The BRISC complex is required for normal mitotic spindle assembly and microtubule attachment to kinetochores via its role in deubiquitination NUMA1 (PubMed:26195665). Plays a role in interferon signaling via its role in the deubiquitination of the interferon receptor IFNAR1; deubiquitination increases IFNAR1 activity by enhancing its stability and cell surface expression (PubMed:24075985, PubMed:26344097). Down-regulates the response to bacterial lipopolysaccharide (LPS) via its role in IFNAR1 deubiquitination (PubMed:24075985).
组织 特异性	Heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Aberrantly expressed in the vast majority of breast tumors.
疾病相关	A chromosomal aberration involving BRCC3 is a cause of pro-lymphocytic T-cell leukemia (T-PLL). Translocation t(X;14)(q28;q11) with TCRA.
序列相似性	Belongs to the peptidase M67A family. BRCC36 subfamily. Contains 1 MPN (JAB/Mov34) domain.
细胞定位	Nucleus. Cytoplasm. Cytoplasm, cytoskeleton, spindle pole. Localizes at sites of DNA damage at double-strand breaks (DSBs) (PubMed:20656690, PubMed:26344097). Interaction with FAM175B/ABRO1 retains BRCC3 in the cytoplasm (PubMed:20656690).





Western blot - Anti-BRCC36 antibody [EPR4366] (ab108411)

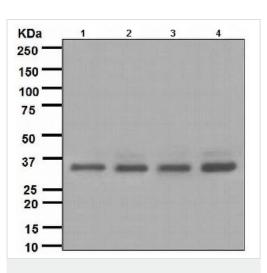
Lane 1: Wild type HAP1 whole cell lysate (40 µg) **Lane 2:** Empty Lane

Lane 3: BRCC3 knockout HAP1 whole cell lysate (40 µg)

Lane 4: MCF7 whole cell lysate (40 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab108411 observed at 36 kDa. Red - loading control, <u>ab18058</u>, observed at 130 kDa.

ab108411 was shown to recognize empty when empty knockout samples were used, along with additional cross-reactive bands. Wild-type and empty knockout samples were subjected to SDS-PAGE. Ab108411 and <u>ab18058</u> (Mouse anti Vinculin loading control) were incubated overnight at 4°C at 10000 dilution and 1/10000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed <u>ab216773</u> and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed <u>ab216776</u> secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



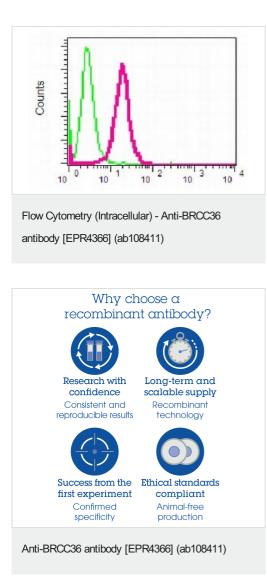
Western blot - Anti-BRCC36 antibody [EPR4366] (ab108411)

All lanes : Anti-BRCC36 antibody [EPR4366] (ab108411) at 1/10000 dilution

Lane 1 : HeLa cell lysate Lane 2 : MCF7 cell lysate Lane 3 : SKBR-3 cell lysate Lane 4 : 293T cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 36 kDa



Intracellular flow cytometric analysis of BRCC36 in permeabilized HeLa cells, using ab108411 at a 1/100 dilution (red) or a Rabbit IgG (negative) (green).

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 <u>https://www.abcam.cn/abpromise</u> or contact our technical team.

Terms and conditions

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