


Anti-hHR23A antibody [EPR4817] ab108591

敲除验证 重组 RabMAb

3 图像

概述	
产品名称	Anti-hHR23A抗体[EPR4817]
描述	兔单克隆抗体[EPR4817] to hHR23A
宿主	Rabbit
经测试应用	适用于: WB 不适用于: Flow Cyt, ICC/IF or IHC-P
种属反应性	与反应: Human 预测可用于: Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HEK293T, MCF7, Jurkat, Raji and HeLa cell lysates.
常规说明	<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> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>
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: 7.2 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
克隆编号	EPR4817
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab108591于以下的经测试应用

“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		1/1000 - 1/10000. Predicted molecular weight: 40 kDa.

应用说明

Is unsuitable for Flow Cyt,ICC/IF or IHC-P.

靶标

功能

Multiubiquitin chain receptor involved in modulation of proteasomal degradation. Binds to 'Lys-48'-linked polyubiquitin chains in a length-dependent manner and with a lower affinity to 'Lys-63'-linked polyubiquitin chains. Proposed to be capable to bind simultaneously to the 26S proteasome and to polyubiquitinated substrates and to deliver ubiquitinated proteins to the proteasome.

Involved in nucleotide excision repair and is thought to be functional equivalent for RAD23B in global genome nucleotide excision repair (GG-NER) by association with XPC. In vitro, the XPC:RAD23A dimer has NER activity. Can stabilize XPC.

Involved in vpr-dependent replication of HIV-1 in non-proliferating cells and primary macrophages. Required for the association of HIV-1 vpr with the host proteasome.

序列相似性

Belongs to the RAD23 family.

Contains 2 UBA domains.

Contains 1 ubiquitin-like domain.

结构域

The ubiquitin-like domain mediates interaction with ATXN3.

The ubiquitin-like (UBL) and the UBA (ubiquitin-associated) domains interact intramolecularly in a highly dynamic manner, as each UBA domain competes for an overlapping UBL domain surface. Binding of ubiquitin or proteasome subunit PSMD4 disrupt the UBL-UBA domain interactions and drive RAD23A in to an open conformation.

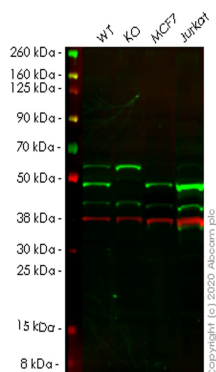
翻译后修饰

Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位

Nucleus.

图片



Western blot - Anti-hHR23A antibody [EPR4817] (ab108591)

All lanes : Anti-hHR23A antibody [EPR4817] (ab108591) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate

Lane 2 : RAD23A knockout HEK293T cell lysate

Lane 3 : MCF7 cell lysate

Lane 4 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

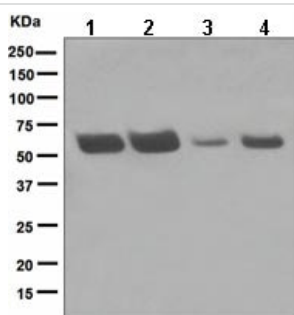
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 40 kDa

Observed band size: 50 kDa

Lanes 1-4: Merged signal (red and green). Green - ab108591 observed at 50 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

ab108591 Anti-hHR23A antibody [EPR4817] was shown to specifically react with hHR23A in wild-type HEK293T cells. Loss of signal was observed when knockout cell line [ab266343](#) (knockout cell lysate [ab258163](#)) was used. Wild-type and hHR23A knockout samples were subjected to SDS-PAGE. ab108591 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-hHR23A antibody [EPR4817]
(ab108591)

All lanes : Anti-hHR23A antibody [EPR4817] (ab108591) at
1/1000 dilution

Lane 1 : MCF7 cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : Raji cell lysate

Lane 4 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 40 kDa

Why choose a
recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-hHR23A antibody [EPR4817] (ab108591)

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

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