

Anti-RAP80 antibody ab70822

★☆☆☆☆ [1 Abreviews](#) [1 References](#) [2 图像](#)

概述

产品名称	Anti-RAP80抗体
描述	兔多克隆抗体to RAP80
宿主	Rabbit
经测试应用	适用于: IP, WB
种属反应性	与反应: Human 预测可用于: Chimpanzee, Gorilla 
免疫原	Synthetic peptide corresponding to a region between residues 600 and 650 of human RAP80 (NP_057374.3).
阳性对照	HeLa and 293T whole cell lysates.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	<p>pH: 7</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab70822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
IP		Use at 2-5 µg/mg of lysate.
WB		1/1000 - 1/10000. Detects a band of approximately 100 kDa (predicted molecular weight: 80 kDa).

靶标

功能

Ubiquitin-binding protein that specifically recognizes and binds 'Lys-63'-linked ubiquitin. Plays a central role in the BRCA1-A complex by specifically binding '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). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. Also weakly binds monoubiquitin but with much less affinity than 'Lys-63'-linked ubiquitin. May interact with monoubiquitinated histones H2A and H2B; the relevance of such results is however unclear in vivo. Does not bind Lys-48'-linked ubiquitin. May indirectly Act as a transcriptional repressor by inhibiting the interaction of NR6A1 with the corepressor NCOR1.

组织特异性

Expressed in testis, ovary, thymus and heart. Expressed in germ cells of the testis.

序列相似性

Belongs to the RAP80 family.
Contains 2 UIM (ubiquitin-interacting motif) repeats.

结构域

The UIM-linker region between the 2 UIM repeats determines the selectivity for 'Lys-63'-linked ubiquitin. The length of the linker is important. The linker reduces the flexibility between the UIM repeats and promotes high-affinity and linkage-selective interactions.
The Abraxas-interacting region (AIR) mediates the interaction with FAM175A/Abraxas.

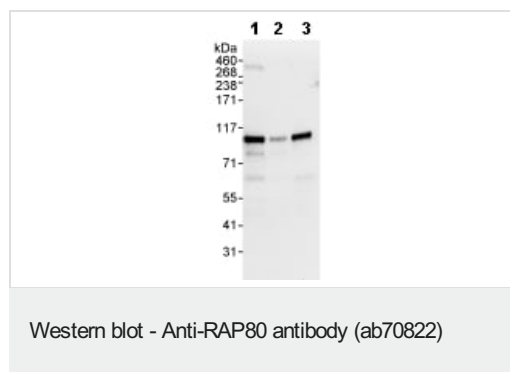
翻译后修饰

Sumoylated.
Phosphorylated upon DNA damage by ATM or ATR.

细胞定位

Nucleus. Localizes at sites of DNA damage at double-strand breaks.

图片



All lanes : Anti-RAP80 antibody (ab70822) at 1 µg/ml

Lane 1 : HeLa whole cell lysate at 15 µg

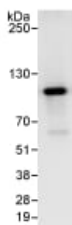
Lane 2 : HeLa whole cell lysate at 5 µg

Lane 3 : 293T whole cell lysate at 50 µg

Predicted band size: 80 kDa

Observed band size: 100 kDa

Additional bands at: 300 kDa, 65 kDa, 80 kDa. We are unsure as to the identity of these extra bands.



Immunoprecipitation - Anti-RAP80 antibody
(ab70822)

Detection of Human RAP80 by Immunoprecipitation in Whole cell lysate from HeLa cells (1 mg for IP, 20% of IP loaded), using ab70822 at 3 µg/mg lysate for IP and at 1 µg/ml for subsequent Western blot detection.

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.cn/abpromise> or contact our technical team.

Terms and conditions

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