abcam

Product datasheet

Anti-Rad17 (phospho S656) antibody [EPR3145] ab76012



重组 RabMAb

4 图像

概述

产品名称 Anti-Rad17 (phospho S656)抗体[EPR3145]

描述 兔单克隆抗体[EPR3145] to Rad17 (phospho S656)

宿主 Rabbit

经测试应用 适用于: ICC/IF, WB, IHC-P

不适用于: Flow Cyt or IP

种属反应性 与反应: Human

免疫原 Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

阳性对照 HeLa cell lysate treated with Calyculin A. Human breast carcinoma. HeLa cells.

This product is a recombinant monoclonal antibody, which offers several advantages including: 常规说明

- 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.

性能

形式

存放说明 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

存储溶液

Preservative: 0.05% Sodium azide

Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue

culture supernatant

纯度 Protein A purified

克隆 单克隆

克隆编号 EPR3145

同种型 IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab76012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
ICC/IF		
WB		
IHC-P		

应用说明 ICC/IF: 1/100 - 1/250.

IHC-P: 1/100 - 1/250. Perform heat mediated antigen retrieval using 0.01M Sodium Citrate

Buffer, pH 6.0 before commencing with IHC staining protocol. WB: 1/5000 - 1/10000. Predicted molecular weight: 77 kDa.

Is unsuitable for Flow Cyt or IP.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能 Essential for sustained cell growth, maintenance of chromosomal stability, and ATR-dependent

checkpoint activation upon DNA damage. Has a weak ATPase activity required for binding to chromatin. Participates in the recruitment of the RAD1-RAD9-HUS1 complex onto chromatin, and in CHEK1 activation. May also serve as a sensor of DNA replication progression, and may be

involved in homologous recombination.

组织特异性 Overexpressed in various cancer cell lines and in colon carcinoma (at protein level). Isoform 2 and

isoform 3 are the most abundant isoforms in non irradiated cells (at protein level). Ubiquitous at low levels. Highly expressed in testis, where it is expressed within the germinal epithelium of the

seminiferous tubuli. Weakly expressed in seminomas (testicular tumors).

序列相似性 Belongs to the rad17/RAD24 family.

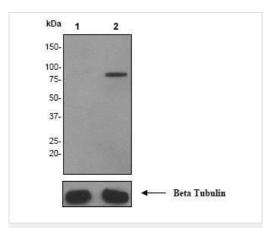
翻译后修饰 Phosphorylated. Phosphorylation on Ser-646 and Ser-656 is cell cycle-regulated, enhanced by

genotoxic stress, and required for activation of checkpoint signaling. Phosphorylation is mediated by ATR upon UV or replication arrest, whereas it may be mediated both by ATR and ATM upon ionizing radiation. Phosphorylation on both sites is required for interaction with RAD1 but

dispensable for interaction with RFC3 or RFC4.

细胞定位 Nucleus. Phosphorylated form redistributes to discrete nuclear foci upon DNA damage.

图片



Western blot - Anti-Rad17 (phospho S656) antibody [EPR3145] (ab76012)

All lanes : Anti-Rad17 (phospho S656) antibody [EPR3145] (ab76012) at 1/10000 dilution

Lane 1: HeLa cell lysate, untreated

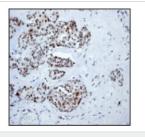
Lane 2: HeLa cell lysate treated with Calyculin A

Lysates/proteins at 10 µg per lane.

Secondary

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

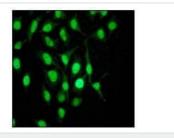
Predicted band size: 77 kDa **Observed band size:** 80 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-Rad17 (phospho S656) antibody [EPR3145] (ab76012)

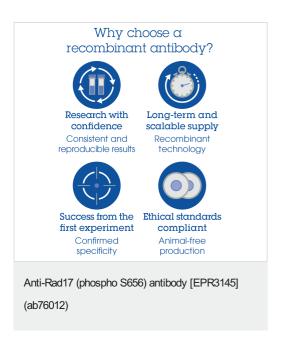
ab76012, at 1/100-1/250 dilution, staining Rad17 in human breast carcinoma by immunohistochemistry using paraffin-embedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Rad17 (phospho S656) antibody [EPR3145] (ab76012)

ab76012, at 1/100-1/250 dilution, staining Rad17 in HeLa cells by immunofluorescence.



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

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