abcam

Product datasheet

Anti-FAN1 antibody ab95171

1 References 3 图像

概述

产品名称	Anti-FAN1抗体
描述	**兔多克隆抗体**to FAN1
宿主	Rabbit
经测试应用	**适用于:** WB, IP, IHC-P
种属反应性	**与反应:** Human **预测可用于:** Rhesus monkey, Gorilla, Orangutan
免疫原	Synthetic peptide, corresponding to a region within amino acids 1-50 of Human MTMR15, NP_055782.3
阳性对照	HeLa cell lysate
常规说明	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. 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

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	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
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ab95171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		1/2000 - 1/10000. Predicted molecular weight: 114 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

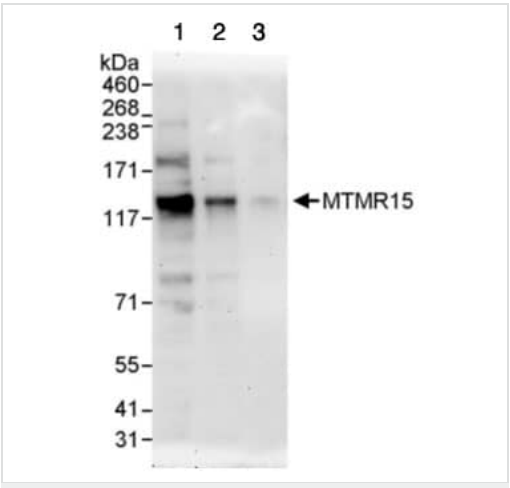
功能 Nuclease required for maintenance of chromosomal stability. Plays a key role in DNA repair of DNA interstrand cross-links (ICL) by being recruited to sites of DNA damage by monoubiquitinated FANCD2. Specifically involved in repair of ICL-induced DNA breaks by being required for efficient homologous recombination, possibly in the resolution of homologous recombination intermediates. Not involved in DNA double-strand breaks resection. Has both endonuclease activity toward 5'-flaps and 5'-exonuclease activity: may act in concert with the 3'-flap-specific enzymes to unhook the ICL by cleaving the lagging-strand template.

序列相似性 Belongs to the FAN1 family.
Contains 1 UBZ-type zinc finger.
Contains 1 VRR-NUC domain.

结构域 The UBZ-type zinc finger specifically binds monoubiquitinated FANCD2.

细胞定位 Nucleus. Localizes at sites of DNA damage following recruitment by monoubiquitinated FANCD2.

图片

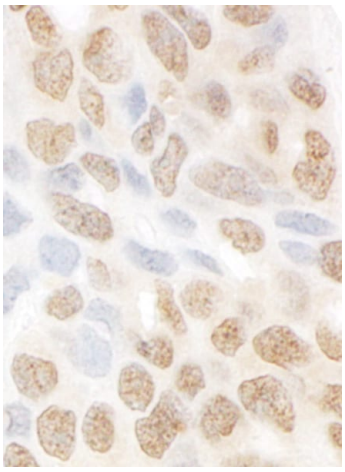


Western blot - Anti-FAN1 antibody (ab95171)

All lanes : Anti-FAN1 antibody (ab95171) at 0.04 µg/ml

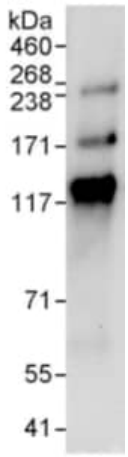
Lane 1 : HeLa whole cell lysate at 50 µg
Lane 2 : HeLa whole cell lysate at 15 µg
Lane 3 : HeLa whole cell lysate at 5 µg

Predicted band size: 114 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FAN1 antibody (ab95171)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling FAN1 with ab95171 at 1/1000 (1µg/ml). Detection: DAB.



Immunoprecipitation - Anti-FAN1 antibody (ab95171)

3µg ab95171 were used to immunoprecipitate MTMR15 from 1mg HeLa whole cell lysate.
20% IP was loaded and probed with ab95171 at 1µg/ml.
Detection: chemiluminescence with exposure time of 10 seconds.

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