

### Anti-MSH3 antibody [EPR4334(2)] ab111107

**重组** RabMAb

**4 References**   **4 图像**

#### 概述

产品名称	Anti-MSH3抗体[EPR4334(2)]
描述	兔单克隆抗体[EPR4334(2)] to MSH3
宿主	Rabbit
经测试应用	<b>适用于:</b> Flow Cyt (Intra), IHC-P, ICC/IF <b>不适用于:</b> WB
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC: SW480 cells; IHC/IF: Human colon tissue sections; Flow Cyt (intra): Hela cells.
常规说明	<p>To see more of the key markers and tools you need to study the hallmarks of cancer, including genome instability and mutation, please visit the following <a href="#">page</a>.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.5% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4334(2)

同种型

IgG

应用

The Abpromise guarantee

**Abpromise™**承诺保证使用ab111107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
Flow Cyt (Intra)		1/40.
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.
ICC/IF		1/50. For unpurified use as 1/250 - 1/500

应用说明

Is unsuitable for WB.

靶标

功能

Component of the post-replicative DNA mismatch repair system (MMR). Heterodimerizes with MSH2 to form MutS beta which binds to DNA mismatches thereby initiating DNA repair. When bound, the MutS beta heterodimer bends the DNA helix and shields approximately 20 base pairs. MutS beta recognizes large insertion-deletion loops (IDL) up to 13 nucleotides long. After mismatch binding, forms a ternary complex with the MutL alpha heterodimer, which is thought to be responsible for directing the downstream MMR events, including strand discrimination, excision, and resynthesis.

疾病相关

Defects in MSH3 are a cause of susceptibility to endometrial cancer (ENDMC) [MIM:608089].

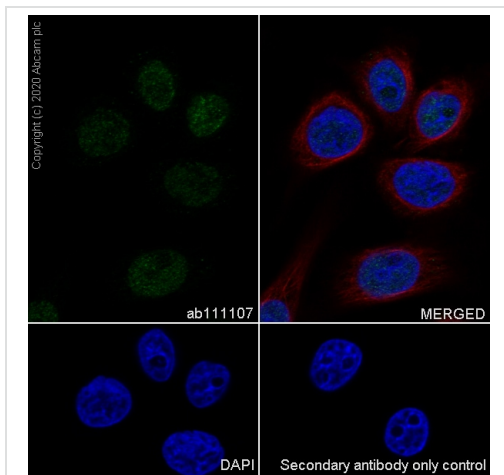
序列相似性

Belongs to the DNA mismatch repair mutS family. MSH3 subfamily.

翻译后修饰

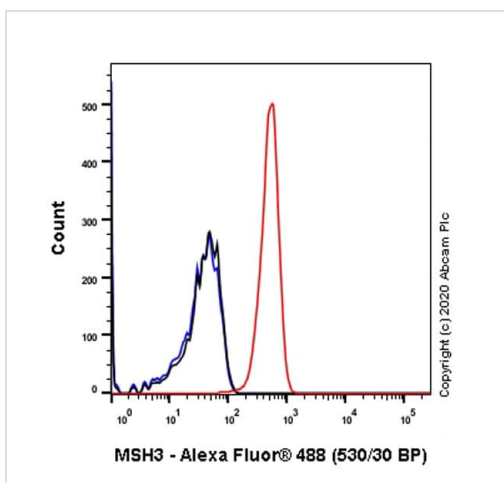
Phosphorylated upon DNA damage, probably by ATM or ATR.

图片



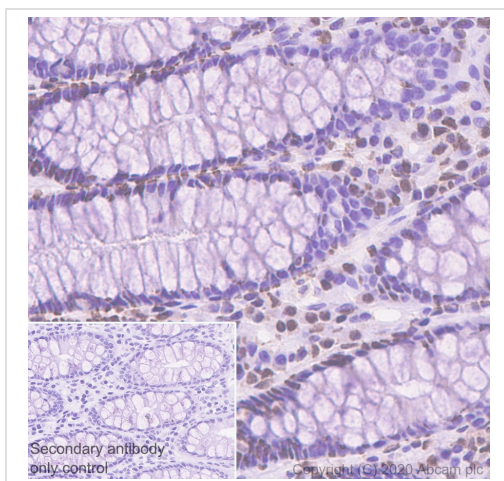
Immunocytochemistry/ Immunofluorescence - Anti-MSH3 antibody [EPR4334(2)] (ab111107)

Immunocytochemistry/ Immunofluorescence analysis of SW480 (Human colorectal adenocarcinoma epithelial cell) cells labeling MSH3 with Purified ab111107 at 1:50 dilution (7.46 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-MSH3 antibody [EPR4334(2)] (ab111107)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling MSH3 with Purified ab111107 at 1/40 dilution (10µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MSH3 antibody [EPR4334(2)] (ab111107)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue sections labeling MSH3 with Purified ab111107 at 1:700 dilution (0.53 µg/ml). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

### 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-MSH3 antibody [EPR4334(2)] (ab111107)

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

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