abcam

Product datasheet

Anti-Exonuclease 1 antibody ab111017

2 图像

概述

产品名称	Anti-Exonuclease 1抗体
描述	**山羊多克隆抗体**to Exonuclease 1
宿主	Goat
经测试应用	**适用于:** WB, IHC-P
种属反应性	**与反应:** Human
免疫原	Synthetic peptide derived from Human Exonuclease 1.
阳性对照	Human Adrenal and Skeletal muscle tissues.

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: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 99% Tris buffered saline
纯度	Protein G purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用**ab111017**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。**

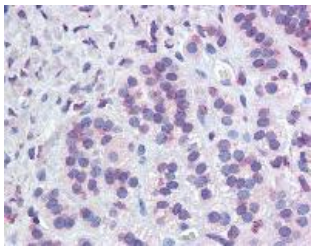
应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 94 kDa.

应用	Ab评论	说明
IHC-P		Use a concentration of 3.75 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

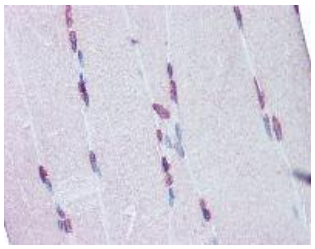
功能	5'->3' double-stranded DNA exonuclease which may also possess a cryptic 3'->5' double-stranded DNA exonuclease activity. Functions in DNA mismatch repair (MMR) to excise mismatch-containing DNA tracts directed by strand breaks located either 5' or 3' to the mismatch. Also exhibits endonuclease activity against 5'-overhanging flap structures similar to those generated by displacement synthesis when DNA polymerase encounters the 5'-end of a downstream Okazaki fragment. Required for somatic hypermutation (SHM) and class switch recombination (CSR) of immunoglobulin genes. Essential for male and female meiosis.
组织特异性	Highly expressed in bone marrow, testis and thymus. Expressed at lower levels in colon, lymph nodes, ovary, placenta, prostate, small intestine, spleen and stomach.
序列相似性	Belongs to the XPG/RAD2 endonuclease family. EXO1 subfamily.
发展阶段	Highly expressed in fetal liver and at lower levels in fetal brain, heart, kidney, spleen and thymus.
翻译后修饰	Phosphorylated upon DNA damage and in response to agents stalling DNA replication, probably by ATM or ATR. Phosphorylation at Ser-454, Thr-621 and Ser-714 is induced upon DNA-damage caused by treatment with hydroxyurea (HU) but not upon IR treatment. The HU-induced EXO1 triple phosphorylation facilitates destabilisation/degradation of the protein.
细胞定位	Nucleus. Colocalizes with PCNA to discrete nuclear foci in S-phase.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Exonuclease 1 antibody (ab111017)

ab111017, at 3.75µg/ml, staining Exonuclease 1 in Formalin-fixed, Paraffin-embedded Human Adrenal tissue by Immunohistochemistry.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Exonuclease 1 antibody (ab111017)

ab111017, at 3.75µg/ml, staining Exonuclease 1 in Formalin-fixed, Paraffin-embedded Human Skeletal Muscle tissue by Immunohistochemistry.

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