

# Anti-Exonuclease 1 antibody ab95012

[4 References](#) [2 图像](#)

### 概述

产品名称	Anti-Exonuclease 1 抗体
描述	兔多克隆抗体 to Exonuclease 1
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human 预测可用于: Chimpanzee, Gorilla, Orangutan 
免疫原	Synthetic peptide within Human Exonuclease 1 aa 700-800. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><a href="#">contact</a></b> our Scientific Support team to discuss your requirements. NP_006018.4  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
阳性对照	HeLa and 293T whole cell lysate
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&amp;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	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
纯度	Immunogen affinity purified
纯化说明	ab95012 was affinity purified using an epitope specific to Exonuclease 1 immobilized on solid support.
克隆	多克隆

同种型

lgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab95012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: 94 kDa.
IP		Use at 5-15 µg/mg of lysate.

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.

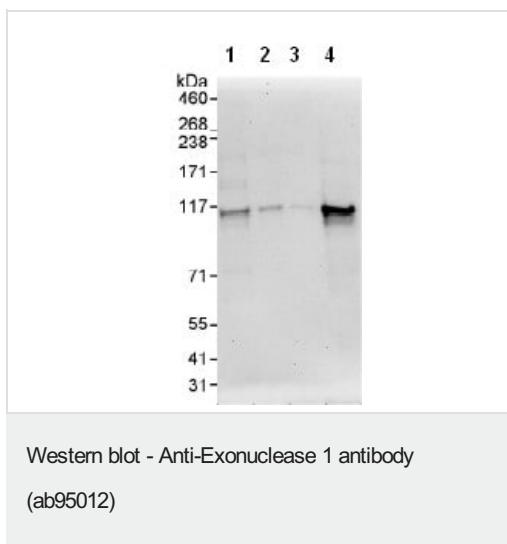
翻译后修饰

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



**All lanes :** Anti-Exonuclease 1 antibody (ab95012) at 0.1 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

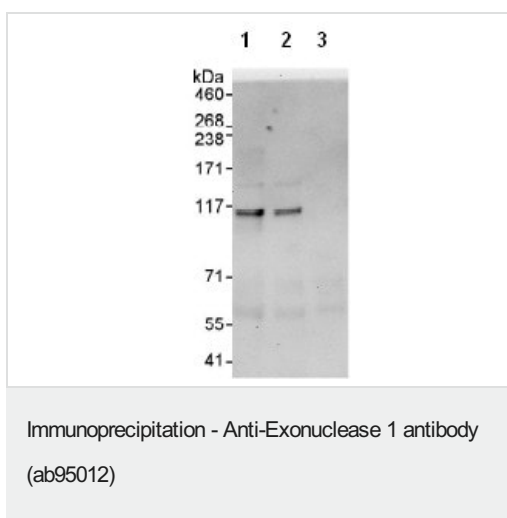
**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 94 kDa

**Exposure time:** 30 seconds



ab95012 at 1 µg/ml detecting Exonuclease 1 in HeLa whole cell lysate by WB following IP.

Lane 1: ab95012 with 10µg/mg of lysate

Lane 2: IP with an antibody which recognizes a downstream epitope of Exonuclease 1

Lane 3: control IgG.

In each case, 1 mg of lysate was used for IP and 20% of the IP was loaded.

Detection: Chemiluminescence with an exposure time of 30 seconds

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

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