


Anti-Rad50 antibody ab3622

★★★★★ [2 Abreviews](#) [2 References](#) [1 图像](#)

概述

产品名称	Anti-Rad50抗体
描述	兔多克隆抗体to Rad50
宿主	Rabbit
经测试应用	适用于: IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Rabbit, Horse, Cow, Chimpanzee, Baboon, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide (Human) - which represented a portion of human Rad 50 encoded in part by exons 2 and 3.
阳性对照	HeLa cell nuclear extract.
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&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	<p>pH: 7</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris</p>
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ab3622于以下的经测试应用

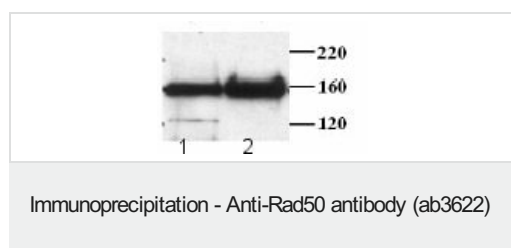
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		Use a concentration of 1 - 4 µg/ml.

靶标

功能	Component of the MRN complex, which plays a central role in double-strand break (DSB) repair, DNA recombination, maintenance of telomere integrity and meiosis. The complex possesses single-strand endonuclease activity and double-strand-specific 3'-5' exonuclease activity, which are provided by MRE11A. RAD50 may be required to bind DNA ends and hold them in close proximity. This could facilitate searches for short or long regions of sequence homology in the recombining DNA templates, and may also stimulate the activity of DNA ligases and/or restrict the nuclease activity of MRE11A to prevent nucleolytic degradation past a given point. The complex may also be required for DNA damage signaling via activation of the ATM kinase. In telomeres the MRN complex may modulate t-loop formation.
组织特异性	Expressed at very low level in most tissues, except in testis where it is expressed at higher level. Expressed in fibroblasts.
疾病相关	Defects in RAD50 are the cause of Nijmegen breakage syndrome-like disorder (NBSLD) [MIM:613078]; also called NBS-like disorder or RAD50 deficiency. NBSLD is a disorder similar to Nijmegen breakage syndrome and characterized by chromosomal instability, radiation sensitivity, microcephaly, growth retardation, short stature and bird-like face. Immunodeficiency is absent.
序列相似性	Belongs to the SMC family. RAD50 subfamily. Contains 1 zinc-hook domain.
结构域	The zinc-hook, which separates the large intramolecular coiled coil regions, contains 2 Cys residues that coordinate one molecule of zinc with the help of the 2 Cys residues of the zinc-hook of another RAD50 molecule, thereby forming a V-shaped homodimer. The two heads of the homodimer, which constitute the ATP-binding domain, interact with the MRE11A homodimer.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus. Chromosome > telomere. Localizes to discrete nuclear foci after treatment with genotoxic agents.

图片



Lanes:

1. IP from 1mg extract with 1.25g Rabbit anti-Rad 50 (exon 2-3) (ab3622)
2. IP from 1mg extract with 1.25µg Rabbit anti-Rad 50 (exon 13-14) (**ab3623**)

Sample: Nuclear extract from Hela cells

for Western blot, affinity purified Rabbit anti-Rad 50 (ab3622) used
at 1:4000 dilution

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

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