

Product datasheet

Anti-RAD52 antibody [EPR3464(2)] ab124971

Recombinant RabMAb

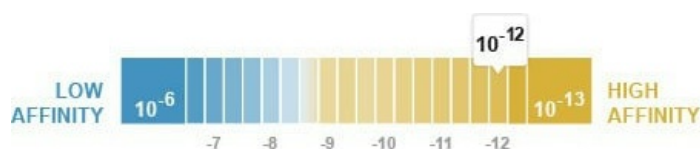
[8 References](#) [4 Images](#)

Overview

Product name	Anti-RAD52 antibody [EPR3464(2)]
Description	Rabbit monoclonal [EPR3464(2)] to RAD52
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC or IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human RAD52 (C terminal). The exact sequence is proprietary.
Positive control	WB: HeLa, HEK-293T and PC3 cell lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Dissociation constant (K_D)	K _D = 3.00 x 10 ⁻¹² M



Learn more about K_D

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3464(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124971 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

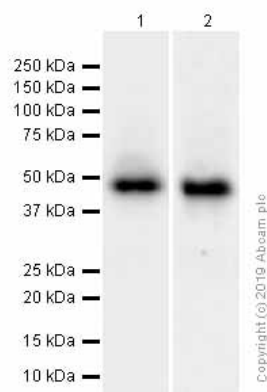
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 48 kDa (predicted molecular weight: 46 kDa).

Application notes Is unsuitable for ICC or IHC-P.

Target

Function	Involved in double-stranded break repair. Plays a central role in genetic recombination and DNA repair by promoting the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase.
Sequence similarities	Belongs to the RAD52 family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



Western blot - Anti-RAD52 antibody [EPR3464(2)]
(ab124971)

Lane 1 : Anti-RAD52 antibody [EPR3464(2)] (ab124971) at 1/1000 dilution

Lane 2 : Anti-RAD52 antibody [EPR3464(2)] (ab124971) at 1/1000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2 : HEK-293 (Human embryonic kidney epithelial cell) whole cell lysates

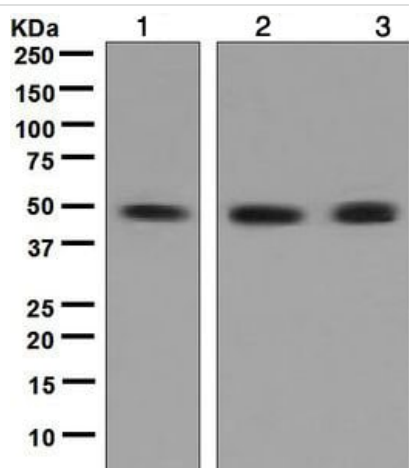
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 46 kDa

Observed band size: 48 kDa



Western blot - Anti-RAD52 antibody [EPR3464(2)]
(ab124971)

All lanes : Anti-RAD52 antibody [EPR3464(2)] (ab124971) at 1/1000 dilution (unpurified)

Lane 1 : HeLa cell lysate

Lane 2 : 293T cell lysate

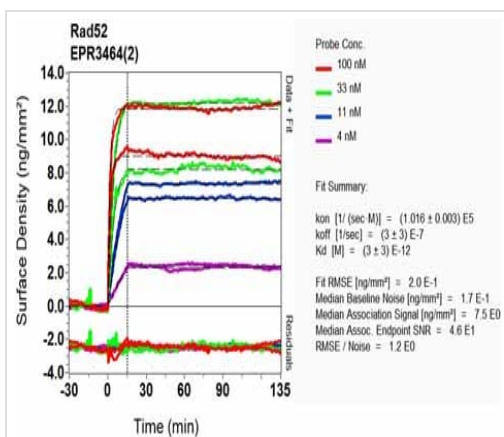
Lane 3 : PC3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 46 kDa



OL-RD Scanning - Anti-RAD52 antibody

[EPR3464(2)] (ab124971)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-RAD52 antibody [EPR3464(2)] (ab124971)

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