

Anti-RAD51AP1 antibody ab88370

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Overview

Product name	Anti-RAD51AP1 antibody
Description	Mouse polyclonal to RAD51AP1
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein within Human RAD51AP1. 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 contact our Scientific Support team to discuss your requirements.
Positive control	Human colon tissue lysate, RAD51AP1 transfected 293T cell lysate, HeLa cells.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab88370 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		Use a concentration of 1 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 37 kDa).
ICC/IF		Use a concentration of 10 µg/ml.

Target

Function

May participate in a common DNA damage response pathway associated with the activation of homologous recombination and double-strand break repair. Functionally cooperates with PALB2 in promoting of D-loop formation by RAD51. Binds to single and double stranded DNA, and is capable of aggregating DNA. Also binds RNA.

Tissue specificity

Highly expressed in testis and thymus. Lower levels in colon and small intestine. Little or no expression in spleen, prostate, ovary and peripheral blood leukocytes.

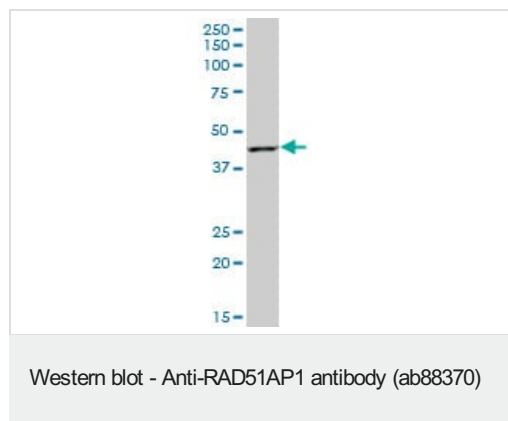
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Nucleus. Colocalizes with RAD51 to multiple nuclear foci.

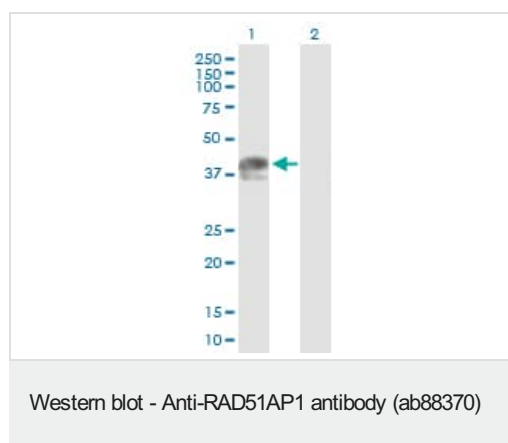
Images



Anti-RAD51AP1 antibody (ab88370) at 1 µg/ml + Human colon tissue lysate at 50 µg

Predicted band size: 37 kDa

Observed band size: 40 kDa



All lanes : Anti-RAD51AP1 antibody (ab88370) at 1 µg/ml

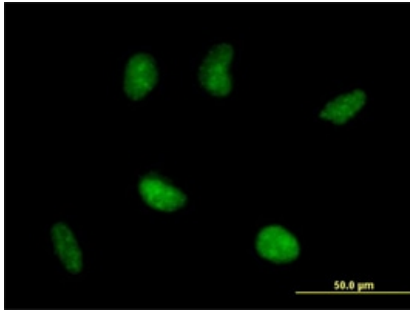
Lane 1 : RAD51AP1 transfected 293T cell lysate

Lane 2 : Non-transfected lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 37 kDa

Observed band size: 37 kDa



ab88370 at 10µg/ml staining RAD51AP1 in HeLa cells by Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-RAD51AP1 antibody (ab88370)

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

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