

Anti-RAD18 antibody ab79763

[5 References](#) [2 Images](#)

Overview

Product name	Anti-RAD18 antibody
Description	Rabbit polyclonal to RAD18
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Does not react with: Mouse
Immunogen	Fusion protein corresponding to Human RAD18 (C terminal). 113 carboxyl terminal of human Rad18
Positive control	A549 cells GM637 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. Avoid freeze / thaw cycles.
Storage buffer	pH: 6 Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab79763 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. Predicted molecular weight: 56 kDa.
ICC/IF		Use at an assay dependent concentration.

Target

Function

E3 ubiquitin-protein ligase involved in postreplication repair of UV-damaged DNA. Postreplication repair functions in gap-filling of a daughter strand on replication of damaged DNA. Associates to the E2 ubiquitin conjugating enzyme UBE2B to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. Has ssDNA binding activity.

Pathway

Protein modification; protein ubiquitination.

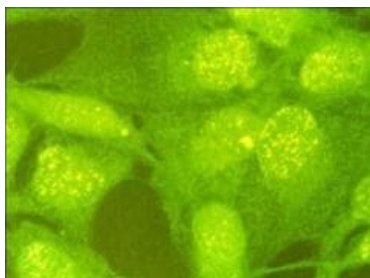
Sequence similarities

Belongs to the RAD18 family.
Contains 1 RING-type zinc finger.
Contains 1 SAP domain.
Contains 1 UBZ-type zinc finger.

Cellular localization

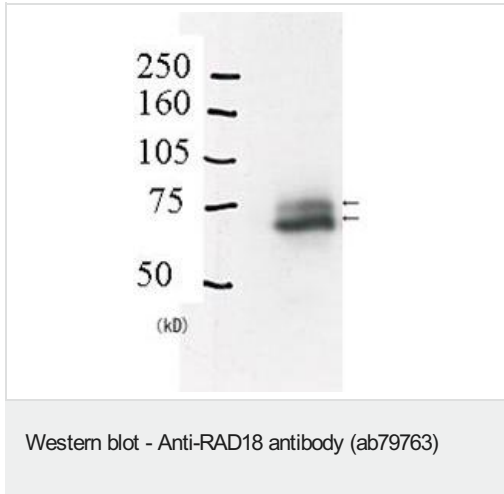
Nucleus.

Images



Indirect immunofluorescence staining of GM637 cells . Note staining of nuclei.

Immunocytochemistry/ Immunofluorescence - Anti-RAD18 antibody (ab79763)



Anti-RAD18 antibody (ab79763) at 1/1000 dilution + A549 crude extract

Predicted band size: 56 kDa

Observed band size: 70 kDa

Additional bands at: 75 kDa. We are unsure as to the identity of these extra bands.

The lower thick band is native RAD18 and the upper thin band is mono-ubiquitinated RAD18 protein.

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

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