

## Rad50 Rabbit mAb

Catalog No: #59502

Package Size: #59502-1 50ul #59502-2 100ul

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## Description

|                       |                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------|
| Product Name          | Rad50 Rabbit mAb                                                                                       |
| Host Species          | Rabbit                                                                                                 |
| Clonality             | Monoclonal                                                                                             |
| Isotype               | Rabbit IgG                                                                                             |
| Purification          | Affinity-chromatography                                                                                |
| Applications          | WB IHC ICC/IF                                                                                          |
| Species Reactivity    | Human Mouse Rat                                                                                        |
| Specificity           | Rad50 Antibody detects endogenous levels of total Rad50                                                |
| Immunogen Description | A synthesized peptide derived from human Rad50                                                         |
| Other Names           | hRAD50; Mrell; NBSLD; Rad 50; RAD50 2; rad50; RAD50 homolog (S cerevisiae); RAD50 PEN; RAD502; Rad50l; |
| Accession No.         | Uniprot:Q92878                                                                                         |
| Calculated MW         | Predicted band size: 154 kDa                                                                           |
| SDS-PAGE MW           | Observed band size: 154 kDa                                                                            |
| Formulation           | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.     |
| Storage               | Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                         |

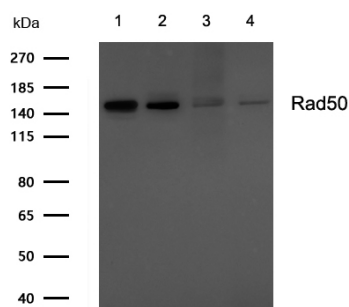
## Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

## Images



All lanes: Rad50 Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates Lane 2 : JK whole cell lysates

Lane 3 : Mouse lung lysates Lane 4 : Rat spleen lysates

Lysates/proteins at 20 µg per lane.

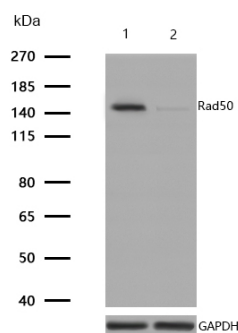
Secondary

All lanes : Goat Anti-Rabbit IgG H&amp;L (HRP) at 1/20000 dilution

Predicted band size: 154 kDa

Observed band size: 154 kDa

Exposure time: 7 seconds

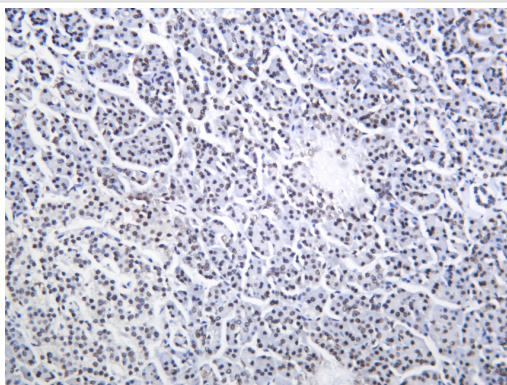


All lanes:Rad50 Rabbit mAb at 1/1k dilution

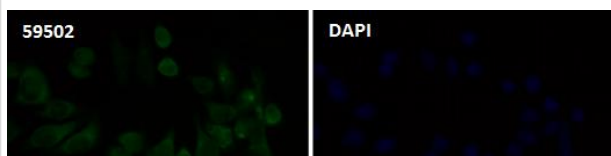
Lane 1 : Wild-type HT-1080 cell lysate

Lane 2 :Rad50 Rabbit mAb knockdown HT-1080 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human pancreas tissue stained for Rad50 using 59502 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Rad50 antibody (59502) ICC/IF staining of Rad50 in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59502 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

## Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.