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Datasheet for ABIN5542380
anti-RAD52 antibody (AA 269-418)

6 Images

Overview

Quantity:	0.1 mg
Target:	RAD52
Binding Specificity:	AA 269-418
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RAD52 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human RAD52 (AA: 269-418) expressed in E. coli.
Clone:	5E11E7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	RAD52
Alternative Name:	RAD52 (RAD52 Products)
Background:	The protein encoded by this gene shares similarity with <i>Saccharomyces cerevisiae</i> Rad52, a

Target Details

protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair. A pseudogene of this gene is present on chromosome 2. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.,

Molecular Weight: 46.2 kDa

Gene ID: 5893

HGNC: 5893

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

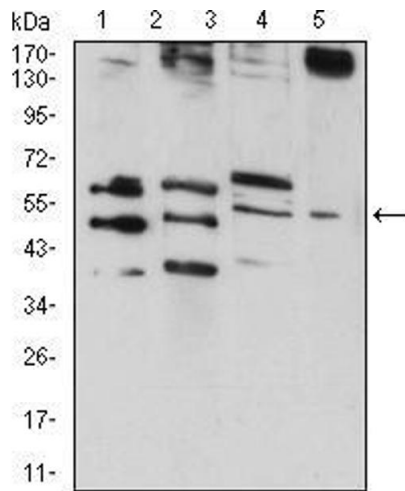
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

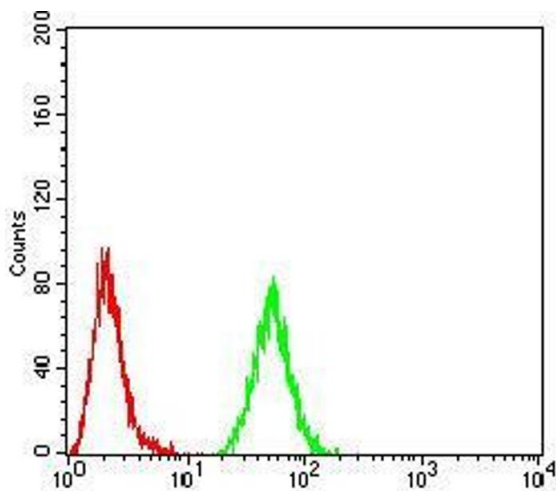
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



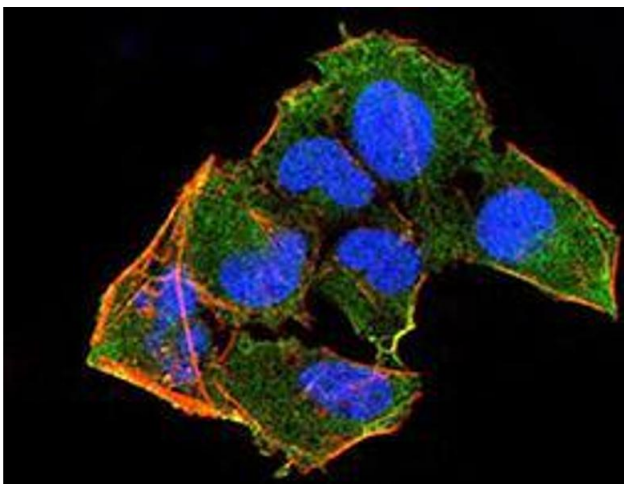
Western Blotting

Image 1. Western blot analysis using RAD52 mouse mAb against HepG2 (1), MCF-7 (2), MCF-7 (3), and C6 (4) cell lysate.



Flow Cytometry

Image 2. Flow cytometric analysis of MCF7 cells using RAD52 mouse mAb (green) and negative control (red).



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells using RAD52 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5542380.