

Anti-RAD18 Antibody (5U394)

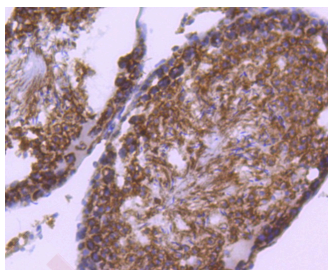
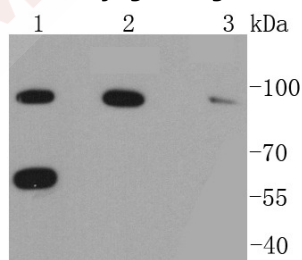
Product Details

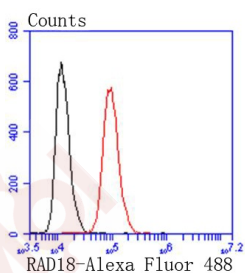
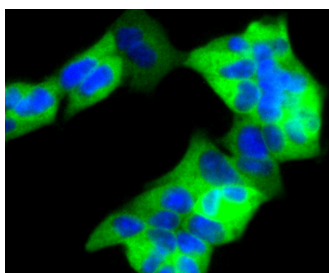
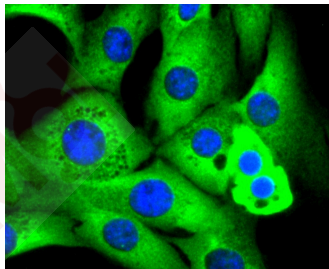
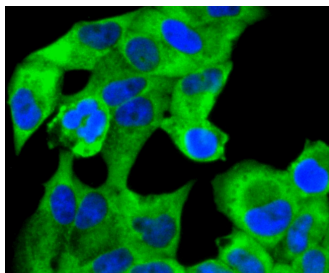
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 56/90 kDa.
Clone:	5U394
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of RAD18 on different lysates using anti-RAD18 antibody at 1/1,000 dilution. Positive control: Lane 1: NIH/3T3, Lane 2: 293T, Lane 3: MCF-7.
2. Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-RAD18 antibody. Counter stained with hematoxylin.
3. ICC staining RAD18 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining RAD18 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining RAD18 in 293 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. Flow cytometric analysis of Hela cells with RAD18 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM, ICC/IF, IHC, WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:100-500; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Gene ID: 56852

Uniprot ID: Q9NS91

Synonyms: MGC156682; hRAD 18; hRAD18; RNF73; RAD18 S. cerevisiae homolog; Postreplication repair protein hRAD18p; Rad18sc; RAD18 transcript variant; DNA repair protein rad18; RNF 73; hHR 18; RAD 18; Postreplication repair protein RAD18; RING finger protein 73; Structural maintenance of chromosomes protein 6; EC 6.3.2.-; RAD18 homolog (S. cerevisiae); Radiation sensitivity protein 18; RAD18 S. cerevisiae homolog of; RAD18_HUMAN; Postreplication repair E3 ubiquitin-protein

ligase RAD18;E3 ubiquitin-protein ligase RAD18;YCR66W;YCR066W;hHR18;2810024C04Rik;
RAD18 homolog

Research Background

The RING-type zinc finger protein Rad18 is essential in post-replication repair of damaged DNA and contributes to the maintenance of genomic stability. Rad18 maintains chromosomal DNA with the Rad54-dependent DNA repair pathway and recruits ubiquitin-conjugating enzymes in the Rad6 pathway. Rad18 functions in gap-filling of a daughter strand on replication of damaged DNA and is localized in the nucleus.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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