

## RAD18

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 56kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human RAD18

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

1 mg/ml

**Synonym:**

RNF73;

**Catalog #:** A5380

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 56852

**Isotype:** IgG

**Swiss Prot:** Q9NS91

**Purity:** Affinity purification

For research use only.

**Background:**

The protein encoded by this gene is highly similar to *S. cerevisiae* DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of UV-damaged DNA and hypersensitivity to multiple mutagens.

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