

## RAD51 RABBIT MAB

**Cat.#:** N263522

**Product Name:** Anti-Rad51 Rabbit Monoclonal Antibody

**Synonyms:** RAD51; RAD51A; RECA; DNA repair protein RAD51 homolog 1; HsRAD51; hRAD51; RAD51 homolog A

**UNIPROT ID:** Q06609

**Background:** Rad51 participates in a common DNA damage response pathway associated with the activation of homologous recombination and double-strand break repair. Binds to single and double-stranded DNA and exhibits DNA-dependent ATPase activity. Underwinds duplex DNA and forms helical nucleoprotein filaments.

**Immunogen:** A synthetic peptide of human Rad51

**Applications:** WB,IHC-F,IHC-P,ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R04-3C6

**MW:** Calculated MW: 37 kDa; Observed MW: 37 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human

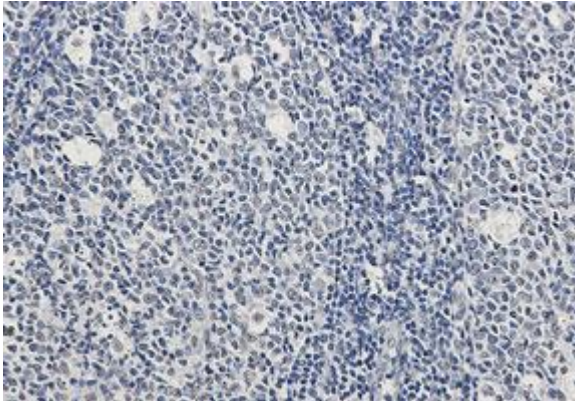
**Conjugation:** Unconjugated

**Modification:** Unmodified

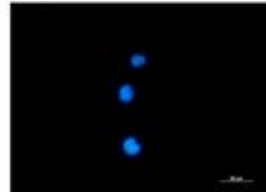
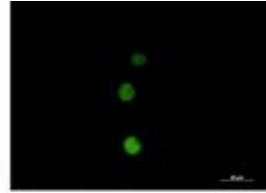
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Epigenetics and Nuclear Signaling

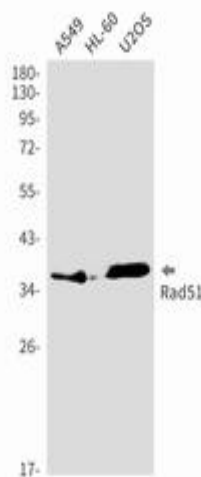
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Rad51 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of Rad51 (green) in Jurkat using Rad51 antibody, and DAPI (blue).



Western blot analysis of Rad51 in A549, HL-60, U2OS lysates using Rad51 antibody.