

Product Datasheet

Rad51 Mouse mAb

Catalog No: AB3176

Reactivity: Human, Mouse, Rat, Monkey

Isotype: Mouse IgG2a

Applications: WB



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Information

UniProt ID: Q06609

All Names: RAD51 homolog A; DNA repair protein RAD51 homolog 1; RAD51A; RECAhomolog S. cerevisiae; RAD51A; RECA; Rad 51; RecA homolog E. coli; RecA like protein;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

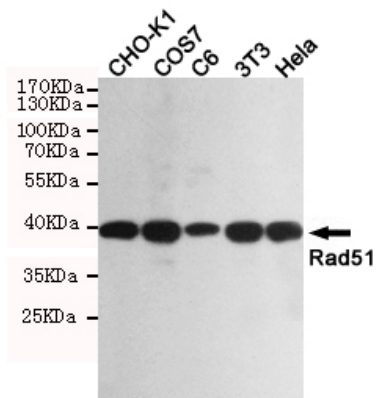
Molecular Wt.: 37KDa

Application

WB 1:1000

Background

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. Plays a role in regulating mitochondrial DNA copy number under conditions of oxidative stress in the presence of RAD51C and XRCC3.



Western blot detection of Rad51 in CHO-K1, COS7, C6, 3T3 and HeLa cell lysates using Rad51 mouse mAb (1:1000 diluted). Predicted band size: 37KDa. Observed band size: 37KDa.

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