

Anti-Rad51B [rad51b 1h3/13]

Catalogue number: 151268

Sub-type: Primary antibody

Images:

Contributor

Inventor: Stephen West

Institute: Cancer Research UK, London Research Institute: Clare Hall Laboratories

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Rad51B [rad51b 1h3/13]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: RAD51B is a Rad51 paralog. RAD51 is a eukaryotic homologue of E. coli RecA, a recombinase, and a component of the homologous recombination DNA repair pathway. RAD51 forms a nucleoprotein filament (through binding RAD52 and single stranded DNA that are exposed following double strand breaks) that initiates recombination. RAD51B is also a component for the homologous recombination pathway.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Rad51b 1h3/13 was raised against His-tagged human Rad51B, overexpressed in e.coli and purified on a talon affinity column under denaturing conditions, followed by gel purification on a SDS-PAGE.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Rad51B

Target alternate names:

Target background: RAD51B is a Rad51 paralog. RAD51 is a eukaryotic homologue of E. coli RecA, a recombinase, and a component of the homologous recombination DNA repair pathway. RAD51 forms a nucleoprotein filament (through binding RAD52 and single stranded DNA that are exposed following double strand breaks) that initiates recombination. RAD51B is also a component for the homologous recombination pathway.

Molecular weight:

Ic50:

Applications

Application: IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Chen et al. 2019. Mol Med Rep. 19(6):4819-4831. PMID: 30957187. ; Zhu et al. 2008. J Biol Chem. 283(43):29405-15. PMID: 18708356. ; Small ubiquitin-related modifier (SUMO) binding determines substrate recognition and paralog-selective SUMO modification. ; Turley et al. 2001. Br J Cancer. 85(2):261-5. PMID: 11461087. ; The distribution and expression of the Bloom's syndrome gene product in normal and neoplastic human cells. ; Wu et al. 2000. J Biol Chem. 275(13):9636-44. PMID: 10734115. ; The Bloom's syndrome gene product interacts with topoisomerase III.

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