

Recombinant Rad51 Monoclonal Antibody

catalog number: **AN301776L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

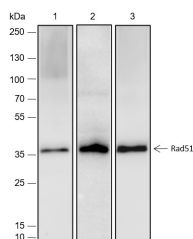
Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human Rad51 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A484
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

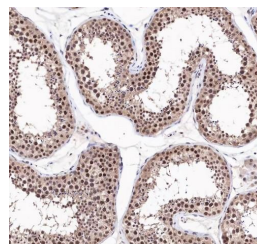
WB	1:500-1:2000
IHC	1:50-1:100
IF	1:100-1:200

Data

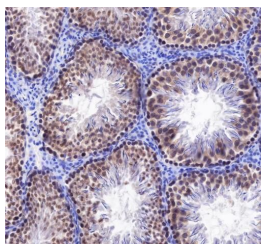


Western Blot with Rad51 Monoclonal Antibody at dilution of 1:2000. Lane 1: Jurkat, Lane 2: NIH/3T3, Lane 3: C6

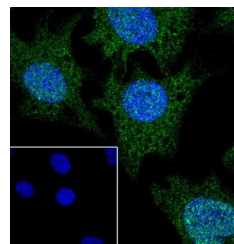
Observed-MW:37 kDa
Calculated-MW:37 kDa



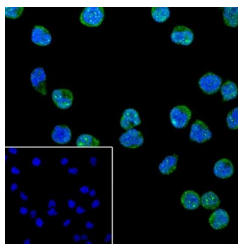
Immunohistochemistry of paraffin-embedded Human testis using Rad51 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Rat testis using Immunofluorescent analysis of (4% Paraformaldehyde) fixed Rad51 Monoclonal Antibody at dilution of 1:100.



Hela cells using anti-Rad51 Monoclonal Antibody at dilution of 1:200.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Jurkat cells using anti-Rad51 Monoclonal Antibody at dilution of 1:500.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.1

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

DNA repair protein RAD51 homolog 1 (Rad51) plays an important role in homologous strand exchange, a key step in DNA repair through homologous recombination (HR). Rad51 binds to single and double-stranded DNA and exhibits DNA-dependent ATPase activity. Rad51 catalyzes the recognition of homology and strand exchange between homologous DNA partners to form a joint molecule between a processed DNA break and the repair template.

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