

Rad54 Rabbit pAb

CatalogNo: YT3970

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 85kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**IHC 1:100-1:300****IF 1:200-1:1000****ELISA 1:5000****Not yet tested in other applications.**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human RAD54L. AA range: 221-270

Specificity

Rad54 Polyclonal Antibody detects endogenous levels of Rad54 protein.

Target Information

Gene name RAD54L

Protein Name DNA repair and recombination protein RAD54-like

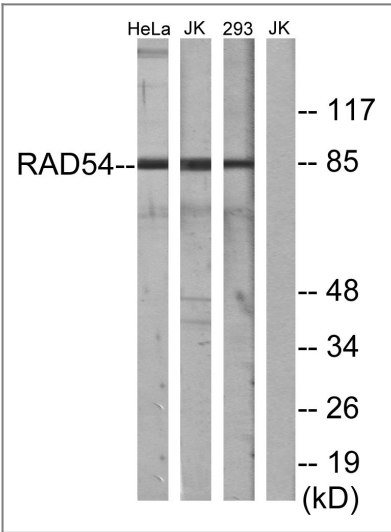
Organism	Gene ID	UniProt ID
Human	8438 ;	Q92698 ;
Mouse	19366 ;	P70270 ;

Cellular Localization Nucleus .

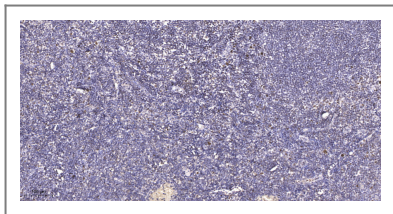
Tissue specificity Testis,Thymus,

Function Disease:Defects in RAD54L may be a cause of tumor formation. Although alterations are found in a small fraction of primary tumors, these findings provide new insight into genetic instability underlying carcinogenesis.,Function:Involved in DNA repair and mitotic recombination. Functions in the recombinational DNA repair (RAD52) pathway. Dissociates RAD51 from nucleoprotein filaments formed on dsDNA. Could be involved in the turnover of RAD51 protein-dsDNA filaments (By similarity). May play also an essential role in telomere length maintenance and telomere capping in mammalian cells.,induction:Expression increases approximately 3-fold in late G1 phase compared to other phases of the cell cycle.,similarity:Belongs to the SNF2/RAD54 helicase family.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,subunit:Interacts with RAD51 through the NH2-terminal domain.,

Validation Data



Western blot analysis of lysates from HeLa cells, Jurkat cells, and 293 cells, using RAD54 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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Rad54 Rabbit pAb

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