

产品名称: Rad51D Rabbit Monoclonal Antibody  
产品货号: AMRe02513



## 产品概述 (Summary)

|                        |                                        |
|------------------------|----------------------------------------|
| 产品名称 (Production Name) | Rad51D Rabbit Monoclonal Antibody      |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody |
| 宿主 (Host)              | Rabbit                                 |
| 应用 (Application)       | WB,IP                                  |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                        |

## 产品性能 (Performance)

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                         |
| 修饰 (Modification)   | Unmodified                                                                                           |
| 同种型 (Isotype)       | IgG                                                                                                  |
| 克隆 (Clonality)      | Monoclonal                                                                                           |
| 形式 (Form)           | Liquid                                                                                               |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.             |
| 储存溶液 (Buffer)       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| 纯化方式 (Purification) | Affinity Purification                                                                                |

## 免疫原信息 (Immunogen)

|                        |                               |
|------------------------|-------------------------------|
| 基因名 (Gene Name)        | RAD51D                        |
| 别名 (Alternative Names) | TRAD; R51H3; BROVCA4; RAD51L3 |
| 基因 ID (Gene ID)        | 5892                          |
| 蛋白 ID (SwissProt ID)   | O75771.                       |

## 产品应用 (Application)

|                          |                                            |
|--------------------------|--------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:1000,IP 1:20-1:50               |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 35 kDa; Observed MW: 35 kDa |

## 研究背景 (Background)

Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA

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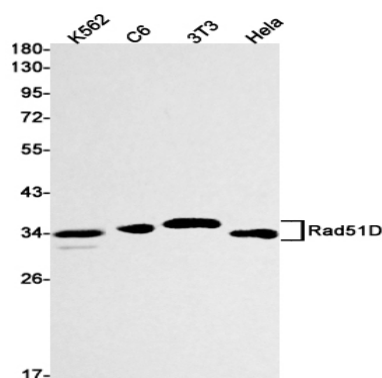


replication or induced by DNA-damaging agents. Bind to single-stranded DNA (ssDNA) and has DNA-dependent ATPase activity. Part of the Rad21 paralogs protein complex BCDX2 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, BCDX2 acts downstream of BRCA2 recruitment and upstream of RAD51 recruitment. BCDX2 binds predominantly to the intersection of the four duplex arms of the Holliday junction and to junction of replication forks. The BCDX2 complex was originally reported to bind single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA. Involved in telomere maintenance. The BCDX2 subcomplex XRCC2:RAD51D can stimulate Holliday junction resolution by BLM.

## 研究领域 (Research Area)

Neuroscience

## 图片 (Image Data)



Western blot analysis of Rad51D in K562, C6, 3T3, HeLa lysates using Rad51D antibody.

## 注意事项 (Note)

For research use only .