

产品名称: Rad51B Rabbit Polyclonal Antibody
产品货号: APRab16843



产品概述 (Summary)

产品名称 (Production Name)	Rad51B Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	RAD51B
别名 (Alternative Names)	RAD51B; RAD51L1; REC2; DNA repair protein RAD51 homolog 2; R51H2; RAD51 homolog B; Rad51B; RAD51-like protein 1
基因 ID (Gene ID)	5890.0
蛋白 ID (SwissProt ID)	O15315.The antiserum was produced against synthesized peptide derived from human RAD51L1. AA range:201-250

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	45kDa

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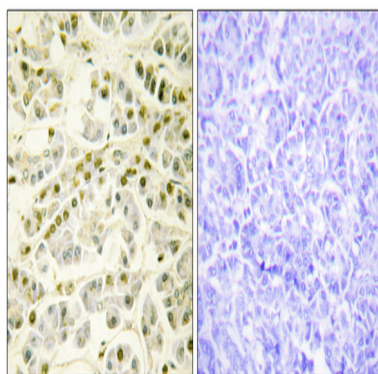
研究背景 (Background)

RAD51 paralog B(RAD51B) Homo sapiens The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are evolutionarily conserved proteins essential for DNA repair by homologous recombination. This protein has been shown to form a stable heterodimer with the family member RAD51C, which further interacts with the other family members, such as RAD51, XRCC2, and XRCC3. Overexpression of this gene was found to cause cell cycle G1 delay and cell apoptosis, which suggested a role of this protein in sensing DNA damage. Rearrangements between this locus and high mobility group AT-hook 2 (HMGA2, GeneID 8091) have been observed in uterine leiomyomata. [provided by RefSeq, Mar 2016],disease:A chromosomal aberration involving RAD51L1 is found in pulmonary chondroid hamartoma. Translocation t(6;14)(p21;q23-24) with HMGA1.,disease:A chromosomal aberration involving RAD51L1 is found in uterine leiomyoma (UL) [MIM:150699]. Translocation t(12;14)(q15;q23-24) with HMGA2.,function:Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents. May promote the assembly of presynaptic RAD51 nucleoprotein filaments. The RAD51B-RAD51C dimer exhibits single-stranded DNA-dependent ATPase activity. The BCDX2 complex binds single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA.,similarity:Belongs to the recA family. RAD51 subfamily.,subunit:Interacts with RAD51C. Part of a BCDX2 complex consisting of RAD51B, RAD51C, RAD51D and XRCC2. Part of a complex consisting of RAD51B, RAD51C, RAD51D, XRCC2 and XRCC3. Part of a complex with RAD51C and RAD51.,tissue specificity:Expressed in a wide range of tissues.,

研究领域 (Research Area)

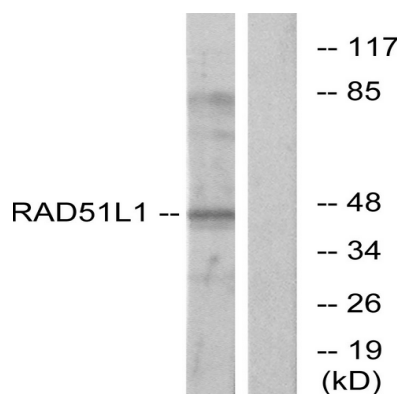
Homologous recombination;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human pancreas tissue, using RAD51L1 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COS7 cells, using RAD51L1 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .