

产品名称: RDM1 Rabbit Polyclonal Antibody
产品货号: APRab16987



产品概述 (Summary)

产品名称 (Production Name)	RDM1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

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)	RDM1
别名 (Alternative Names)	RDM1; RAD52B; RAD52 motif-containing protein 1; RAD52 homolog B
基因 ID (Gene ID)	201299.0
蛋白 ID (SwissProt ID)	Q8NG50. The antiserum was produced against synthesized peptide derived from human RDM1. AA range: 118-167

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	

研究背景 (Background)

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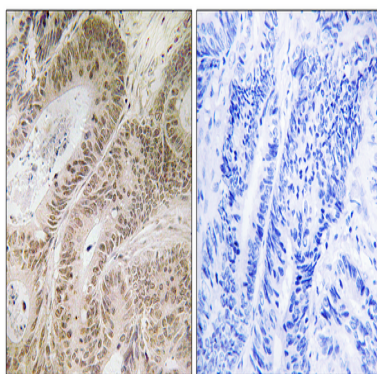


This gene encodes a protein involved in the cellular response to cisplatin, a drug commonly used in chemotherapy. The protein encoded by this gene contains two motifs: a motif found in RAD52, a protein that functions in DNA double-strand breaks and homologous recombination, and an RNA recognition motif (RRM) that is not found in RAD52. The RAD52 motif region in RAD52 is important for protein function and may be involved in DNA binding or oligomerization. Alternatively spliced transcript variants encoding different isoforms have been reported. [provided by RefSeq, Jul 2008], caution: The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data., domain: C-terminal half (amino acids 134-284) contains cytoplasmic retention domains as well as determinants involved in its stress-induced nucleolar accumulation., function: May confer resistance to the antitumor agent cisplatin. Binds to DNA and RNA., induction: Heat-shock stress up-regulated mRNA expression of isoform 10 and isoform 11. Heat-shock stress down-regulated short N-terminal mRNA expression of isoform 2, isoform 4, isoform 6 and isoform 9., similarity: Contains 1 RRM (RNA recognition motif) domain., subcellular location: Isoform 1 is predominantly cytoplasmic. Isoform 3 and isoform 10 are predominantly nuclear and nucleolar. After treatment with proteasomal inhibitors and mild heat-shock stress, isoform 1, isoform 3, isoform 5, isoform 7, isoform 8 and isoform 10 are relocalized to the nucleolus as dot-like or irregular subnuclear structures. Isoform 1 colocalized with nuclear promyelocytic leukemia (PML) and Cajal bodies (CB); this association with nuclear bodies is enhanced in response to proteotoxic stress. Isoform 3, but not isoform 1 and isoform 5, is relocalized in nucleolar caps during transcriptional arrest., subunit: Homodimer., tissue specificity: Expressed in testis.,

研究领域 (Research Area)

Epigenetics and Nuclear Signaling; Chromatin Binding Proteins; DNA / RNA binding

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using RDM1 Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .