产品名称: RPA70 Rabbit Monoclonal Antibody

产品货号: AMRe87745



产品概述 (Summary)

产品名称 (Production Name) RPA70 Rabbit Monoclonal Antibody

描述 (Description) Recombinant rabbit monoclonal antibody

宿主 (Host) Rabbit

应用 (Application) WB,IHC,ICC/IF,FC,IP

种属反应性 (Reactivity) Human

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

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid 存放说明 (Storage)

freeze/thaw cycles.

Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01%

储存溶液 (Buffer) sodium azide and 0.05% protective protein. Stable for 12 months from date

of receipt.

纯化方式 (Purification) Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name) RPA70

别名 (Alternative Names) HSSB; RF-A; RP-A; REPA1; RPA70; MST075

基因 ID (Gene ID) 6117 蛋白 ID (SwissProt ID) P27694.

产品应用(Application)

WB 1:500-1:2000,IHC 1:100-1:200,ICC/IF 1:100-1:200,FC 1:50-1:100,IP 1:10-

稀释比 (Dilution Ratio) 1:50

蛋白分子量 (Molecular Weight) Calculated MW:68 kDa; Observed MW:70 kDa

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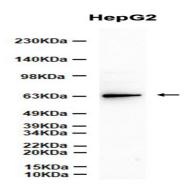


研究背景 (Background)

This gene encodes the largest subunit of the heterotrimeric Replication Protein A (RPA) complex, which binds to single-stranded DNA (ssDNA), forming a nucleoprotein complex that plays an important role in DNA metabolism, being involved in DNA replication, repair, recombination, telomere maintenance, and co-ordinating the cellular response to DNA damage through activation of the ataxia telangiectasia and Rad3-related protein (ATR) kinase. The nucleoprotein complex protects the single-stranded DNA from nucleases, prevents formation of secondary structures that would interfere with repair, and co-ordinates the recruitment and departure of different genome maintenance factors. This subunit contains four oligonucleotide/oligosaccharide-binding (OB) domains, though the majority of ssDNA binding occurs in two of these domains. The heterotrimeric complex has two different modes of ssDNA binding, a low-affinity and high-affinity mode, determined by which ssDNA binding domains are utilized. The different binding modes differ in the length of DNA bound and in the proteins with which it interacts, thereby playing a role in regulating different genomic maintenance pathways. [provided by RefSeq, Sep 2017]

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of extracts from HepG2 cells using AMRe87745 at 1:3000.

注意事项 (Note)

For research use only.

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