


Anti-RPA70 antibody ab87272

8 References 2 图像

概述	
产品名称	Anti-RPA70抗体
描述	兔多克隆抗体to RPA70
宿主	Rabbit
经测试应用	适用于: IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rabbit, Chimpanzee, Rhesus monkey, Gorilla, Opossum, Orangutan 
免疫原	Synthetic peptide, corresponding to a region within amino acids 350 - 400 of Human RPA70 (NP_002936.1)
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG
应用	

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/100 - 1/500. Antigen retrieval is not essential but may optimise staining. Antigen retrieval with tris-EDTA buffer pH 9.0 recommended. Likely to work with frozen sections.

靶标

功能

Plays an essential role in several cellular processes in DNA metabolism including replication, recombination and DNA repair. Binds and subsequently stabilizes single-stranded DNA intermediates and thus prevents complementary DNA from reannealing.

Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange.

序列相似性

Belongs to the replication factor A protein 1 family.

翻译后修饰

Phosphorylated upon DNA damage, probably by ATM or ATR.

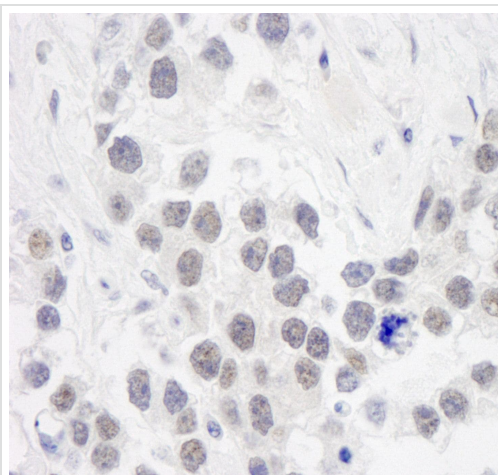
Sumoylated on lysine residues Lys-449 and Lys-577, with Lys-449 being the major site.

Sumoylation promotes recruitment of RAD51 to the DNA damage foci to initiate DNA repair through homologous recombination. Desumoylated by SENP6.

细胞定位

Nucleus.

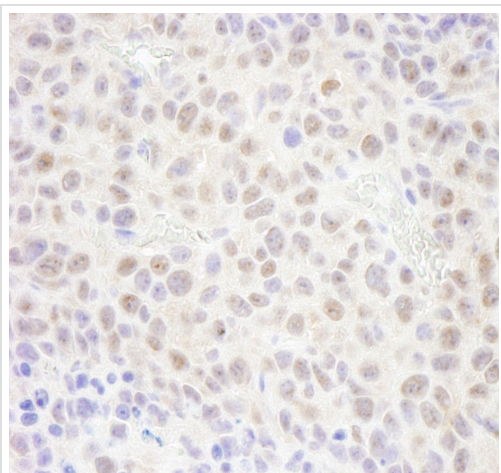
图片



ab87272 at 1/250 dilution staining RPA70 in formalin-fixed, paraffin-embedded Human testicular seminoma tissue.

Detection: DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RPA70 antibody (ab87272)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RPA70 antibody (ab87272)

ab87272 at 1/250 dilution staining RPA70 in formalin-fixed, paraffin-embedded Mouse colon carcinoma tissue.
Detection: DAB staining.

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