

Product datasheet

Anti-RPA70 antibody ab98266

1 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: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Sheep, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Pig, Saccharomyces cerevisiae, Drosophila melanogaster, Zebrafish
免疫原	Synthetic peptide corresponding to a region within internal amino acids 215-264 of Human RPA70 (NP_002936). Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	HeLa cell lysate

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	Preservative: None Constituents: 2% Sucrose, PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab98266** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明

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WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 68 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

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.

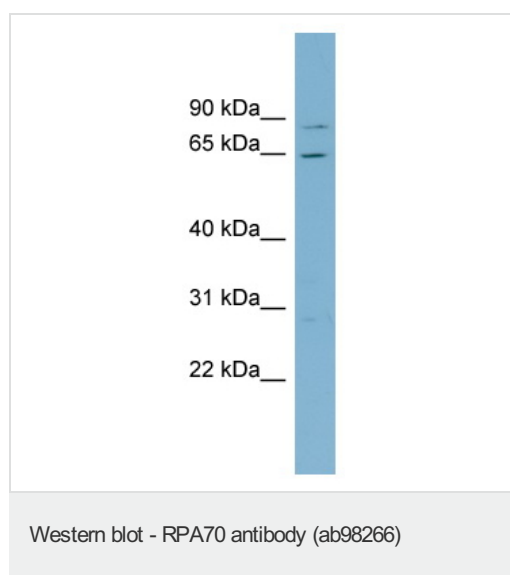
Sumoylated on lysine residues Lys-449 and Lys-577, with Lys-449 being the major site.

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



Anti-RPA70 antibody (ab98266) at 1/1 dilution
+ HeLa cell lysate at 10 µg/ml

Predicted band size: 68 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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