

兔抗 RPA2(Ab-21) 多克隆抗体

中文名称：兔抗 RPA2(Ab-21) 多克隆抗体

英文名称：Anti-RPA2(Ab-21) rabbit polyclonal antibody

别名：replication protein A2, 32kDa

相关类别：一抗

储存：冷冻（-20℃）避光

宿主：Rabbit

抗原：RPA2(Ab-21)

反应种属：Human

标记物：Unconjugate

克隆类型：rabbit polyclonal

技术规格

Background:

As part of the heterotrimeric replication protein A complex (RPA/RP-A), binds and stabilizes single-stranded DNA intermediates, that form during DNA replication or upon DNA stress. It prevents their reannealing and in parallel, recruits and activates

different proteins and complexes involved in DNA metabolism. Thereby, it plays an essential role both in DNA replication and the cellular response to DNA damage. In the cellular response to DNA damage the RPA complex controls DNA repair and DNA damage checkpoint activation. It is required for the recruitment of the DNA double-strand break repair factors RAD52 and RAD51 to chromatin in response to DNA damage. Also recruits to sites of DNA damage proteins like XPA and XPG that are involved in nucleotide excision repair and is required for this mechanism of DNA repair. Plays also a role in base excision repair (BER) probably through interaction with UNG. Through RPA3 may activate CHEK1 and play a role in replication checkpoint control. Also recruits SMARCA1/HARP which is involved in replication fork restart to sites of DNA damage.

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| | May also play a role in telomere maintenance. |
| Applications: | WB, IHC |
| Name of antibody: | RPA2(Ab-21) |
| Immunogen: | Synthesized non-phosphopeptide derived from human RFA2 around the phosphorylation site of threonine 21 (G-Y-T(p)-Q-S). |
| Full name: | replication protein A2, 32kDa |
| Synonyms : | replication protein A2, 32kDa |
| SwissProt: | P15927 |
| IHC positive control: | Human lung carcinoma tissue |
| IHC Recommend dilution: | 50-100 |
| WB Predicted band size: | 29 kDa |
| WB Positive control: | K562 cells lysate |
| WB Recommended dilution: | 500-3000 |

