

小鼠抗 RPA2 单克隆抗体

中文名称： 小鼠抗 RPA2 单克隆抗体

英文名称： Anti-RPA2 mouse monoclonal antibody

别名： replication protein A2; REPA2; RPA32; RP-A p32; RP-A p34

相关类别： 一抗

储存： 冷冻（-20℃）

宿主： Mouse

抗原： RPA2

反应种属： Human

标记物： Unconjugate

克隆类型： Mouse Monoclonal

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. Through recruitment of ATRIP activates

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| | <p>the ATR kinase a master regulator of the DNA damage response. It is required for the recruitment of the DNA double-strand break repair factors RAD51 and RAD52 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. Also recruits SMARCAL1/HARP, which is involved in replication fork restart, to sites of DNA damage. May also play a role in telomere maintenance.</p> |
| Applications: | WB, IP, IF |
| Name of antibody: | RPA2 |
| Immunogen: | Fusion protein of human RPA2 |
| Full name: | replication protein A2 |
| Synonyms: | REPA2; RPA32; RP-A p32; RP-A p34 |
| SwissProt: | P15927 |
| WB Predicted band size: | 29 kDa |
| WB Positive control: | MCF7, HeLa and HUVEC cell lysates |
| WB Recommended dilution: | 1000-5000 |
| IF positive control: | HeLa cells |
| IF Recommend dilution: | 100-200 |



