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# RPA2 Rabbit pAb

货号: **AYP11295**

## 产品信息

|       |  |
|-------|--|
| 反应    | Human,Mouse,Rat  |
| 宿主    | Rabbit   |
| 克隆性   | Polyclonal   |
| 预测反应  | <b>WB:</b> Mouse liver , Mouse adipose-derived stem cells , Mus musculus , Homo sapiens , Triticum aestivum L.<br><b>IF:</b> Mus musculus<br><b>IHC:</b> Mus musculus,Homo sapiens |
| 应用    | WB IHC IP ChIP   |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000<br><b>IHC:</b> 1:50 - 1:200<br><b>IP:</b> 1:500 - 1:1000<br><b>ChIP:</b> 1:500 - 1:1000  |
| 理论分子量 | 29kDa/30kDa/38kDa  |
| 实测分子量 | 32kDa  |
| 形式    | Liquid   |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.   |
| 偶联物   | Unconjugated   |
| 阳性对照  | 293T,293T+UV,NIH/3T3,C6  |
| 细胞定位  | Nucleus,PML body   |
| 纯化    | Affinity purification  |

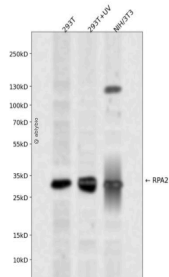
## 抗原信息

|      |   |
|------|---|
| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 80-270 of human RPA2 (NP_002937.1). |
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## 靶点信息

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|-------|--|
| 研究背景  | 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 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. |
| 基因ID  | 6118   |
| 基因名   | RPA2   |
| Swiss | P15927 ( <a href="https://www.uniprot.org/uniprotkb/P15927/entry">https://www.uniprot.org/uniprotkb/P15927/entry</a> )   |
| 别名    | REPA2,RP-A p32,RP-A p34,RPA32,RPA2,RP-Ap32,RP-Ap34,RPA2 Rabbit pAb,Replication factor A protein 2,Replication protein A 34 kDa subunit,RPA34   |

## 产品验证



Western blot analysis of RPA2 expressed in 293T,293T+UV,NIH/3T3 using RPA2 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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