

## 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 the ATR kinase a master regulator of the DNA damage response. It is required for the recruitment of the DNA dou

	<p>ble-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>
<b>Applications:</b>	WB, IP, IF
<b>Name of antibody:</b>	RPA2
<b>Immunogen:</b>	Fusion protein of human RPA2
<b>Full name:</b>	replication protein A2
<b>Synonyms:</b>	REPA2; RPA32; RP-A p32; RP-A p34
<b>SwissProt:</b>	P15927
<b>WB Predicted band size:</b>	29 kDa
<b>WB Positive control:</b>	MCF7, HeLa and HUVEC cell lysates
<b>WB Recommended dilution:</b>	1000-5000
<b>IF positive control:</b>	HeLa cells
<b>IF Recommend dilution:</b>	100-200



