

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

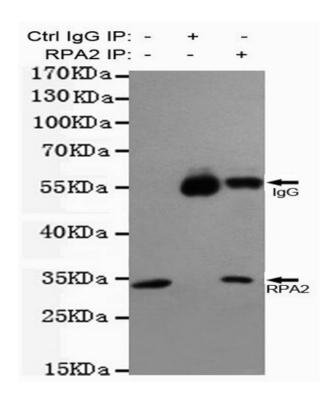
Background:

As part of the heterotrimeric replication protein A comple x (RPA/RP-A), binds and stabilizes single-stranded DNA in termediates, that form during DNA replication or upon D NA stress. It prevents their reannealing and in parallel, re cruits and activates different proteins and complexes invol ved in DNA metabolism. Thereby, it plays an essential rol e both in DNA replication and the cellular response to D NA damage. In the cellular response to DNA damage, the RPA complex controls DNA repair and DNA damage chec kpoint activation. Through recruitment of ATRIP activates the ATR kinase a master regulator of the DNA damage re sponse. It is required for the recruitment of the DNA dou



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	ble-strand break repair factors RAD51 and RAD52 to chro matin 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.
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





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