

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 p
	rotein A complex (RPA/RP-A), binds and
	stabilizes single-stranded DNA intermediat
	es, that form during DNA replication or u
	pon DNA stress. It prevents their reannea
	ling and in parallel, recruits and activates



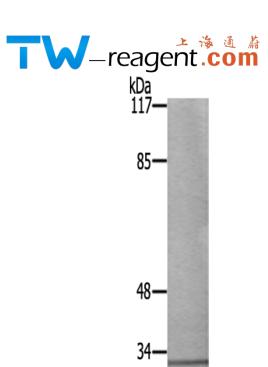
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different proteins and complexes involved in DNA metabolism. Thereby, it plays an essential role both in DNA replication an d the cellular response to DNA damage. I n the cellular response to DNA damage t he RPA complex controls DNA repair and DNA damage checkpoint activation. It is r equired for the recruitment of the DNA d ouble-strand break repair factors RAD52 and RAD51 to chromatin in response to DNA damage. Also recruits to sites of D NA damage proteins like XPA and XPG t hat are involved in nucleotide excision re pair and is required for this mechanism o f DNA repair. Plays also a role in base ex cision repair (BER) probably through inter action with UNG. Through RFWD3 may a ctivate CHEK1 and play a role in replicati on checkpoint control. Also recruits SMA RCAL1/HARP which is involved in replicati on fork restart to sites of DNA damage. May also play a role in telomere mainten



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	ance.
Applications:	WB, IHC
Name of antibody:	RPA2(Ab-21)
Immunogen:	Synthesized non-phosphopeptide derived from human RFA2 around the phosphoryl
	ation 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



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