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RFA2 (Phospho-Thr21) Antibody

货号: AYP4165

产品信息

反应	Human,Mouse
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC IF/ICC ELISA
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200 **IF/ICC:** 1:50 - 1:200
理论分子量	29kDa/30kDa/38kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,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	Synthesized peptide derived from Human RFA2 (Phospho-Thr21).

靶点信息

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 (https://www.uniprot.org/uniprotkb/P15927/entry)
别名	REPA2,RP-A p32,RP-A p34,RPA32,RPA2,RP-Ap32,RP-Ap34,RFA2 (Phospho-Thr21) Antibody,Replication factor A protein 2,Replication protein A 34 kDa subunit,RPA34,RFA2 (Phospho-Thr21)

产品验证

实验步骤

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