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Phospho-RPA32/RPA2 (Thr21) (YD13439) Rabbit mAb

货号: AYD14022

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB
推荐浓度	
理论分子量	29kDa
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	亲和纯化

抗原信息

抗原信息	

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	Phospho-RPA32/RPA2 (Thr21) (YD13439),Phospho-RPA32/RPA2 (Thr21) (YD13439) Rabbit mAb,RPA2,Replication factor A protein 2,Replication protein A 34 kDa subunit,REPA2,RPA32,RPA34

产品验证

实验步骤

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