

RPA2 Rabbit pAb

货号: **AYP11295**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	WB: Mouse liver , Mouse adipose-derived stem cells , Mus musculus , Homo sapiens , Triticum aestivum L. IF: Mus musculus IHC: Mus musculus,Homo sapiens
应用	WB IHC IP ChIP
推荐浓度	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IP: 1:500 - 1:1000 ChIP: 1:500 - 1:1000
理论分子量	29kDa/30kDa/38kDa
实测分子量	32kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,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

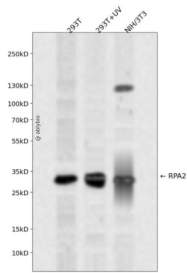
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 80-270 of human RPA2 (NP_002937.1).
序列	IRHAEKAPTNIYVKIDDMTAAPMDVQRQWVDTDDTSSSENTVPPETVYKVGHLRSFQNKSLVAFKIMPLEDMNEFTTHIL EVINAHMVLSKANSQPSAGRAPISNPGMSEAGNFGGNSFMPANGLTVAQNQVLNLIKACPRPEGLNFQDLKNQLKHMSV SSIKQAVDFLSNEGHIYSTVDDDDHFKSTDAE

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
别名	REPA2;RP-A p32;RP-A p34;RPA32;RPA2;RP-Ap32;RP-Ap34

产品验证



Western blot analysis of RPA2 expressed in 293T, 293T+UV, NIH/3T3 using RPA2 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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