

# 小鼠抗 RPA1 单克隆抗体

中文名称: 小鼠抗 RPA1 单克隆抗体

英文名称: Anti-RPA1 mouse monoclonal antibody

别 名: replication protein A1; HSSB; RF-A; RP-A; REPA1; RPA70; MST075

相关类别: 一抗

储 存: 冷冻 (-20℃)

宿 主: Mouse

抗 原: RPA1

反应种属: Human, Monkey, Mouse, Rat

标 记 物: Unconjugate

克隆类型: Mouse Monoclonal

### 技术规格

at form during DNA replication or upon DNA stress. It prevents their reannealing and in parallel, recruits and activates different p roteins and complexes involved in DNA metabolism (PubMed:277 23720, PubMed:27723717). Thereby, it plays an essential role bot h in DNA replication and the cellular response to DNA damage ( PubMed:9430682). 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 (PubMed:24332 808). It is required for the recruitment of the DNA double-strand

As part of the heterotrimeric replication protein A complex (RPA/RP-A), binds and stabilizes single-stranded DNA intermediates, th

#### **Background:**



IF positive control: IF Recommend dilution

50-100

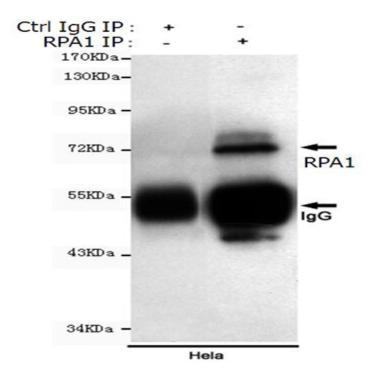
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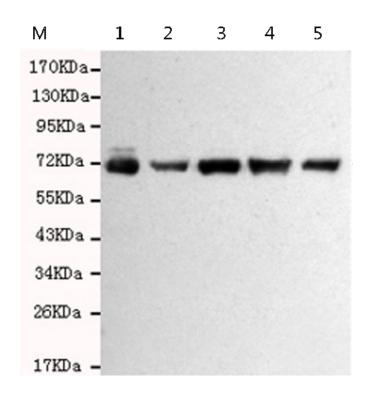
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	break repair factors RAD51 and RAD52 to chromatin in response to DNA damage (PubMed:17765923). Also recruits to sites of DN A damage proteins like XPA and XPG that are involved in nucleo tide excision repair and is required for this mechanism of DNA r epair (PubMed:7697716). Plays also a role in base excision repair (BER) probably through interaction with UNG (PubMed:9765279). Also recruits SMARCAL1/HARP, which is involved in replication fo rk restart, to sites of DNA damage. May also play a role in telo mere maintenance (PubMed:17959650). As part of the alternative replication protein A complex, aRPA, binds single-stranded DNA and probably plays a role in DNA repair. Compared to the RPA2 -containing, canonical RPA complex, may not support chromoso mal DNA replication and cell cycle progression through S-phase. The aRPA may not promote efficient priming by DNA polymeras e alpha but could support DNA synthesis by polymerase delta in presence of PCNA and replication factor C (RFC), the dual incisio n/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange (PubMed:19996105).
Applications:	WB, IF, IP
Name of antibody:	RPA1
Immunogen:	Fusion protein of human RPA1
Full name:	replication protein A1
Synonyms:	HSSB; RF-A; RP-A; REPA1; RPA70; MST075
SwissProt:	P27694
WB Predicted band siz e:	68 kDa
WB Positive control:	293T, 3T3, K562, Hela and C6 cell lysates
WB Recommended dil ution:	1000-5000
IF positive control:	Hela cells



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