# abcam

### Product datasheet

## Recombinant Human RPA32/RPA2 protein ab101216

#### 画像数1

製品の詳細

製品名 Recombinant Human RPA32/RPA2 protein

精製度 > 85 % SDS-PAGE.

ab101216 was purified using anion-exchange chromatography (DEAE sepharose resin) and gel-

filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.

**発現系** Escherichia coli

アクセッション番号 <u>P15927</u>

タンパク質長 Full length protein

Animal free No

由来 Recombinant

生物種 Human

配列 MGSSHHHHHHSSGLVPRGSHMGSMWNSGFESYGSSSYGGA

**GGYTQSPGGF** 

GSPAPSQAEKKSRARAQHIVPCTISQLLSATLVDEVFRIGNV

**EISQVTIV** 

GIIRHAEKAPTNIVYKIDDMTAAPMDVRQWVDTDDTSSENTV

**VPPETYVK** 

VAGHLRSFQNKKSLVAFKIMPLEDMNEFTTHILEVINAHMVL

**SKANSQPS** 

AGRAPISNPGMSEAGNFGGNSFMPANGLTVAQNQVLNLIKAC

**PRPEGLNF** 

QDLKNQLKHMSVSSIKQAVDFLSNEGHIYSTVDDDHFKSTDA

Ε

予測される分子量 32 kDa including tags

**領域** 1 to 270

タグ His tag N-Terminus

#### 特性

Our Abpromise guarantee covers the use of ab101216 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション SDS-PAGE

Mass Spectrometry

1

質量分析

**MALDI-TOF** 

製品の状態

Liquid

#### 前処理および保存

#### 保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium

chloride

#### 関連情報

#### 機能

Required for DNA recombination, repair and replication. The activity of RP-A is mediated by

single-stranded DNA binding and protein interactions.

Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of

nucleotide excision repair and RAD51-dependent strand exchange.

#### 翻訳後修飾

Phosphorylated in a cell-cycle-dependent manner (from the S phase until mitosis).

Phosphorylated by ATR upon DNA damage, which promotes its translocation to nuclear foci. Can be phosphorylated in vitro by PRKDC/DNA-PK in the presence of Ku and DNA, and by CDK1.

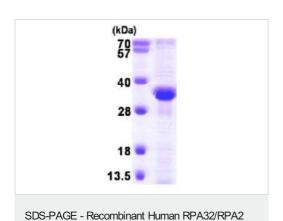
#### 細胞内局在

protein (ab101216)

Nucleus. Nucleus > PML body. Also present in PML nuclear bodies. Redistributes to discrete

nuclear foci upon DNA damage.

#### 画像



ab101216 at 3 µg analysed by 15% SDS PAGE.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- · We investigate all quality concerns to ensure our products perform to the highest standards

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