

### Anti-RPA70 antibody [8C3-D12-H10] ab176467

★★★★★ [2 Abreviews](#) [4 References](#) [画像数 5](#)

#### 製品の概要

製品名	Anti-RPA70 antibody [8C3-D12-H10]
製品の詳細	Mouse monoclonal [8C3-D12-H10] to RPA70
由来種	Mouse
アプリケーション	<b>適用あり:</b> ICC/IF, IP, WB
種交差性	<b>交差種:</b> Mouse, Rat, Human, African green monkey
免疫原	Recombinant fragment corresponding to Human RPA70. Purified recombinant human RPA70 protein fragments expressed in E.coli Database link: <a href="#">P27694</a>
ポジティブ・コントロール	COS7, HT1080, A431, MCF7, K562, HeLa, 293T, 3T3 and C6 cell lysate
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 17.08.2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.03% Proclin 300 Constituent: 50% Glycerol
精製度	Concentrated Culture Supernatant
ポリ/モノ	モノクローナル
クローン名	8C3-D12-H10

## アプリケーション

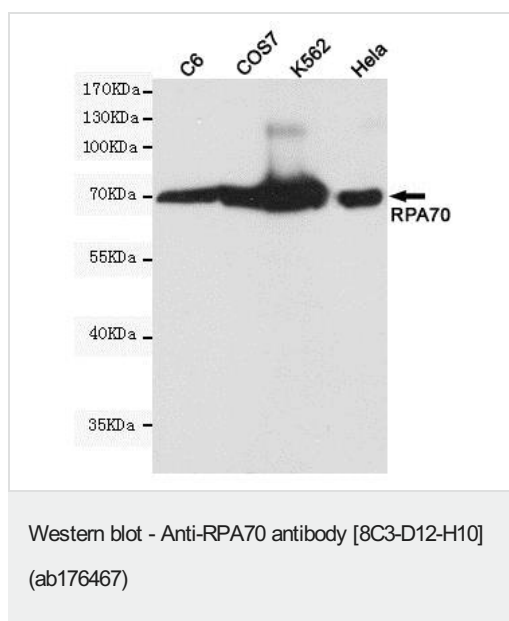
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 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/1000. Predicted molecular weight: 68 kDa.

## ターゲット情報

機能	Plays an essential role in several cellular processes in DNA metabolism including replication, recombination and DNA repair. Binds and subsequently stabilizes single-stranded DNA intermediates and thus prevents complementary DNA from reannealing. 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.
配列類似性	Belongs to the replication factor A protein 1 family.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR. Sumoylated on lysine residues Lys-449 and Lys-577, with Lys-449 being the major site. Sumoylation promotes recruitment of RAD51 to the DNA damage foci to initiate DNA repair through homologous recombination. Desumoylated by SENP6.
細胞内局在	Nucleus.

## 画像



**All lanes :** Anti-RPA70 antibody [8C3-D12-H10] (ab176467) at 1/1000 dilution

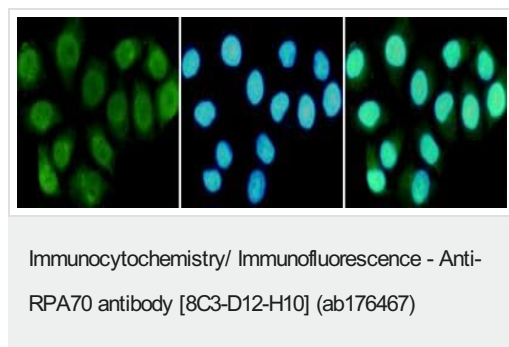
**Lane 1 :** C6 Cell lysate

**Lane 2 :** COS7 Cell lysate

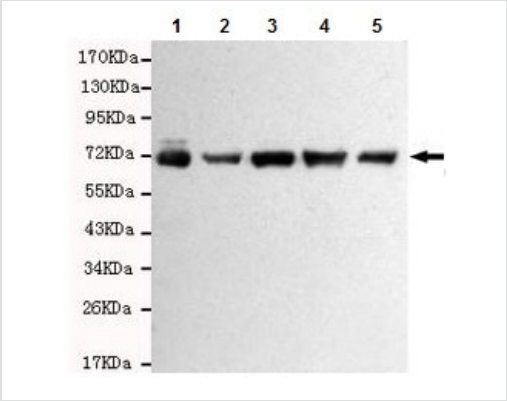
**Lane 3 :** K562 Cell lysate

**Lane 4 :** HeLa Cell lysate

**Predicted band size:** 68 kDa



Immunocytochemistry/Immunofluorescence analysis of HeLa cells fixed with paraformaldehyde, labeling RPA70 with ab176467 at 1/100. Left - RPA70, Middle - nuclear staining, Right - Merge. This image was produced with antibody produced in ascites.



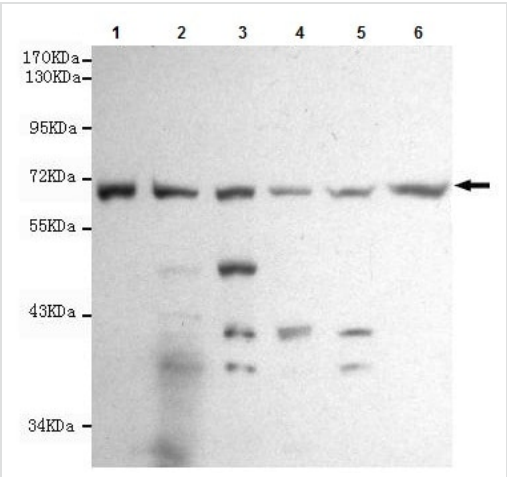
Western blot - Anti-RPA70 antibody [8C3-D12-H10] (ab176467)

**All lanes :** Anti-RPA70 antibody [8C3-D12-H10] (ab176467) at 1/1000 dilution

- Lane 1 :** 293T cell lysate
- Lane 2 :** 3T3 cell lysate
- Lane 3 :** K562 cell lysate
- Lane 4 :** HeLa cell lysate
- Lane 5 :** C6 cell lysate

**Predicted band size:** 68 kDa

This image was produced with antibody produced in ascites.



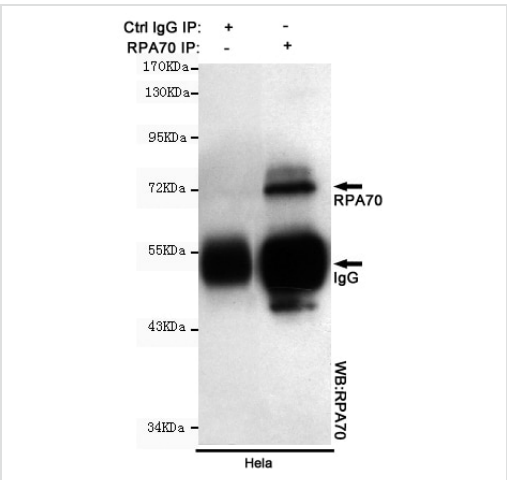
Western blot - Anti-RPA70 antibody [8C3-D12-H10] (ab176467)

**All lanes :** Anti-RPA70 antibody [8C3-D12-H10] (ab176467)

- Lane 1 :** COS7 cell lysate
- Lane 2 :** HT1080 cell lysate
- Lane 3 :** A431 cell lysate
- Lane 4 :** MCF7 cell lysate
- Lane 5 :** K562 cell lysate
- Lane 6 :** HeLa cell lysate

**Predicted band size:** 68 kDa

This image was produced with antibody produced in ascites.



Immunoprecipitation - Anti-RPA70 antibody [8C3-D12-H10] (ab176467)

Immunoprecipitation analysis of HeLa cell lysate labeling RPA70 with ab176467. This image was produced with antibody produced in ascites.

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