


# Anti-FANCI antibody ab74332

**5 References**   [画像数 2](#)

### 製品の概要

製品名	Anti-FANCI antibody
製品の詳細	Rabbit polyclonal to FANCI
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Horse, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Bat 
免疫原	Synthetic peptide corresponding to a region between residue 1025 and 1075 of human KIAA1794 (NP_060663.2)
ポジティブ・コントロール	Whole cell lysates from HeLa and 293T cells.
特記事項	<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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

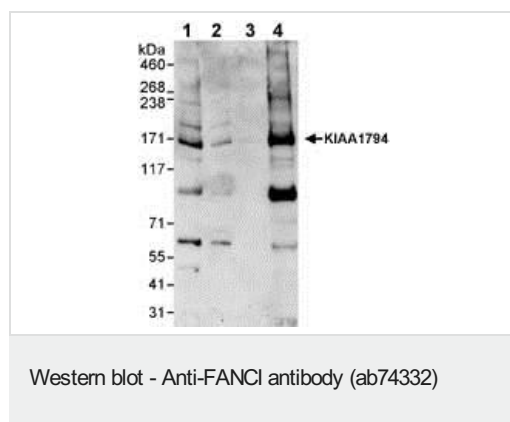
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab74332の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/10000. Predicted molecular weight: 149 kDa.
IP		Use at 2-5 µg/mg of lysate.

## ターゲット情報

<b>機能</b>	Required for maintenance of chromosomal stability. Involved in the repair of DNA double-strand breaks by homologous recombination and in the repair of DNA cross-links. Participates in S phase and G2 phase checkpoint activation upon DNA damage. Promotes FANCD2 ubiquitination and recruitment to DNA repair sites.
<b>関連疾患</b>	Defects in FANCI are a cause of Fanconi anemia complementation group I (FANCI) [MIM:609053]. It is a disorder affecting all bone marrow elements and resulting in anemia, leukopenia and thrombopenia. It is associated with cardiac, renal and limb malformations, dermal pigmentary changes, and a predisposition to the development of malignancies. At the cellular level it is associated with hypersensitivity to DNA-damaging agents, chromosomal instability (increased chromosome breakage) and defective DNA repair.
<b>ドメイン</b>	The C-terminal 30 residues are probably required for function in DNA repair.
<b>翻訳後修飾</b>	Monoubiquitinated on Lys-523 during S phase and upon genotoxic stress. Deubiquitinated by USP1 as cells enter G2/M, or once DNA repair is completed. Monoubiquitination requires the FANCA-FANCB-FANCC-FANCE-FANCF-FANCG-FANCM complex. Ubiquitination is required for binding to chromatin, DNA repair, and normal cell cycle progression. Phosphorylated in response to DNA damage by ATM and/or ATR.
<b>細胞内局在</b>	Nucleus. Concentrates in nuclear foci upon genotoxic stress.

## 画像



**All lanes :** Anti-FANCI antibody (ab74332) at 0.04 µg/ml

**Lane 1 :** Whole HeLa cell lysate at 50 µg

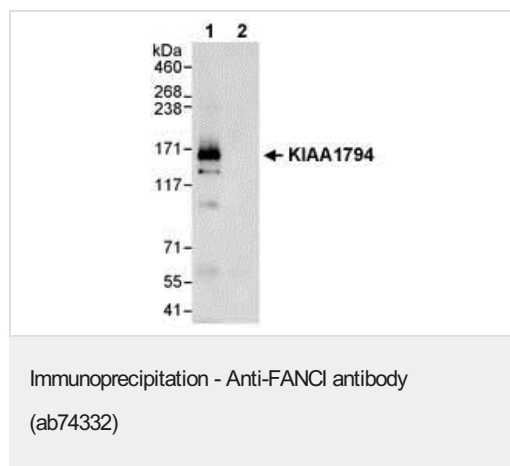
**Lane 2 :** Whole HeLa cell lysate at 15 µg

**Lane 3 :** Whole HeLa cell lysate at 5 µg

**Lane 4 :** Whole 293T cell lysate at 50 µg

**Predicted band size:** 149 kDa

**Additional bands at:** 100 kDa, 65 kDa. We are unsure as to the identity of these extra bands.



Detection of Human KIAA1794 by Immunoprecipitation in Whole cell lysate from HeLa cells (1 mg for IP, 20% of IP loaded) using ab74332 at 3 µg/mg for IP (Lane 1) and at 1 µg/ml for subsequent WB detection. Lane 2 represents IgG control IP.

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