


# Anti-FANCI antibody ab74332

**5 References**   **2 图像**

### 概述

产品名称	Anti-FANCI抗体
描述	兔多克隆抗体to FANCI
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human 预测可用于: 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)
阳性对照	Whole cell lysates from HeLa and 293T cells.
常规说明	<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>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab74332 于以下的经测试应用

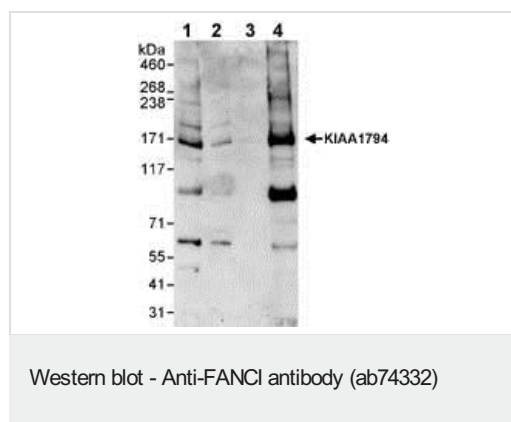
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 149 kDa.
IP		Use at 2-5 µg/mg of lysate.

## 靶标

功能	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.
疾病相关	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.
结构域	The C-terminal 30 residues are probably required for function in DNA repair.
翻译后修饰	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.
细胞定位	Nucleus. Concentrates in nuclear foci upon genotoxic stress.

## 图片



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

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

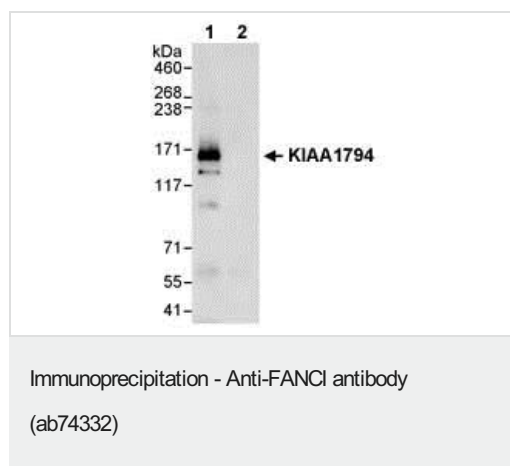
**Lane 2 :** Whole HeLa cell lysate at 15 µg

**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.

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

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