


### Anti-RNF31/HOIP antibody ab46322

★★★★☆ **5 Abreviews**   **20 References**   画像数 3

#### 製品の概要

製品名	Anti-RNF31/HOIP antibody
製品の詳細	Rabbit polyclonal to RNF31/HOIP
由来種	Rabbit
特異性	Replenishment batches of ab46322 are tested in WB. Previous batches were additionally validated in ICC/IF. This application is still expected to work and is covered by our Abpromise guarantee.
アプリケーション	<b>適用あり:</b> ICC/IF, WB
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p> <p>Batches of this product that have a concentration &lt; 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.</p>
精製度	Immunogen affinity purified

ポリ/モノ  
アイソタイプ

ポリクローナル  
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ab46322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確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF		
WB	★★★★★ (5)	

## 追加情報

ChIP: Use at an assay dependent dilution (PMID 19237537).  
ICC/IF: Use at a concentration of 1 µg/ml.  
WB: 1/250. Detects a band of approximately 116 kDa (predicted molecular weight: 119 kDa).

Not yet tested in other applications.  
Optimal dilutions/concentrations should be determined by the end user.

## ターゲット情報

### 機能

E3 ubiquitin-protein ligase component of the LUBAC complex which conjugates linear polyubiquitin chains in a head-to-tail manner to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is proposed to be recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex. Binds polyubiquitin of different linkage types.

### 組織特異性

Expressed in both normal and transformed breast epithelial cell lines.

### 配列類似性

Contains 2 IBR-type zinc fingers.  
Contains 3 RanBP2-type zinc fingers.  
Contains 1 RING-type zinc finger.  
Contains 1 UBA domain.

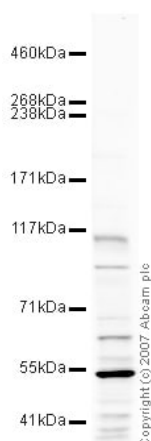
### ドメイン

The RanBP2-type zinc fingers mediate the specific interaction with ubiquitin.

### 細胞内局在

Cytoplasm.

## 画像



Western blot - Anti-RNF31/HOIP antibody (ab46322)

Anti-RNF31/HOIP antibody (ab46322) at 1/250 dilution + Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate at 10 µg

### Secondary

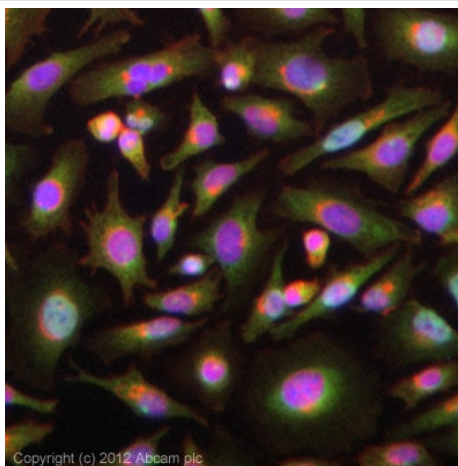
IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

**Predicted band size:** 119 kDa

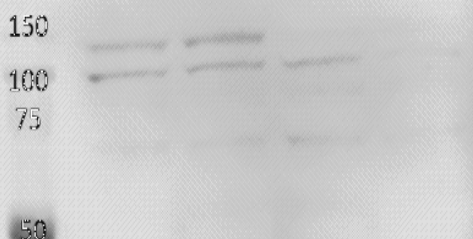
**Observed band size:** 116 kDa

**Additional bands at:** 105 kDa (possible isoform), 50 kDa (possible isoform), 60 kDa. We are unsure as to the identity of these extra bands.



Immunocytochemistry/ Immunofluorescence - Anti-RNF31/HOIP antibody (ab46322)

ICC/IF image of ab46322 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab46322, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#), DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 4% formaldehyde fixed (10 min) Hek293 cells at 5µg/ml.



Western blot - Anti-RNF31/HOIP antibody (ab46322)

This image is courtesy of an anonymous Abreview

Western blot analysis of A549 cell lysate (100µg/lane) RNF31/HOIP with ab46322 at 1/1000. A HRP-conjugated Goat anti-rabbit polyclonal (1/10000) was used as the secondary antibody.

lane 1-2 : siCT A549

lane 3-4 : siHOIP A549

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