

# Anti-NAK/TBK1 (phospho S172) antibody [EPR2867(2)] ab109272

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **58 References** 画像数 4

### 製品の概要

製品名	Anti-NAK/TBK1 (phospho S172) antibody [EPR2867(2)]
製品の詳細	Rabbit monoclonal [EPR2867(2)] to NAK/TBK1 (phospho S172)
由来種	Rabbit
特異性	<i>Stimulation may be required to allow detection of the phosphorylated protein. Please see images below for recommended treatment conditions and positive controls.</i>
アプリケーション	<b>適用あり:</b> WB, Dot blot <b>適用なし:</b> ICC/IF
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as <b>ab206124</b> )
ポジティブ・コントロール	HeLa cell lysate, treated with Calyculin A.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <b><a href="#">see here</a></b> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b><a href="#">RabMAb<sup>®</sup> patents</a></b> .

### 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. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.21% BSA

精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR2867(2)
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ab109272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
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 84 kDa (predicted molecular weight: 84 kDa).Can be blocked with <b><u>NAK/TBK1 (phospho S172) peptide (ab206124)</u></b> .
Dot blot		1/1000.

追加情報 Is unsuitable for ICC/IF.

## ターゲット情報

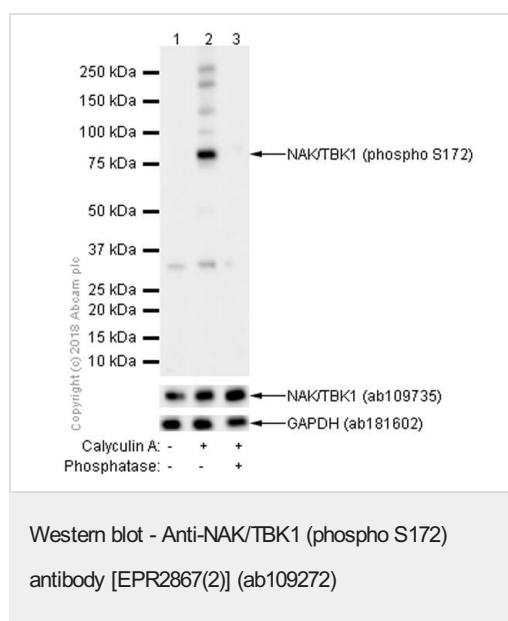
**機能** Serine/threonine protein involved in the signaling cascade converging to the activation of the transcription factor NF-kappa-B. May function as an IKK kinase, playing an essential role in the transcription of a subset of TNF-alpha-induced genes. Also mediates production of RANTES/CCL5 and interferon-beta/IFNB1. Has a pivotal role in the innate immune response. Phosphorylates Borna disease virus (BDV) P protein. Phosphorylates and activates IRF3 and IRF7 and allows their nuclear localization. This leads to production of alpha/beta interferons and the development of a cellular antiviral state. It also seems to be a central factor in the induction of the antiviral interferon response. Inhibition of its interaction with IRF3, due to HCV NS3 binding or BDV P protein seems to be one mechanism of inhibition of the innate immune responses of hepatitis C virus (HCV) infection or Borna disease virus infection respectively.

**組織特異性** Ubiquitous with higher expression in testis.

<b>配列類似性</b>	<p>Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily.</p> <p>Contains 1 protein kinase domain.</p>
--------------	---

**細胞内局在** Cytoplasm.

## 画像



**All lanes :** Anti-NAK/TBK1 (phospho S172) antibody [EPR2867(2)] (ab109272) at 1/5000 dilution

**Lane 1 :** Untreated HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate at 20 µg with NFDm/TBST

**Lane 2 :** HeLa was starved overnight, then treated with 100nM Calyculin A for 30 min whole cell lysate at 15 µg with NFDm/TBST

**Lane 3 :** HeLa was starved overnight, then treated with 100nM Calyculin A for 30 min whole cell lysate, then the membrane treated with Phosphatase for 1 hour with NFDm/TBST

Blocking peptides at 5 % per lane.

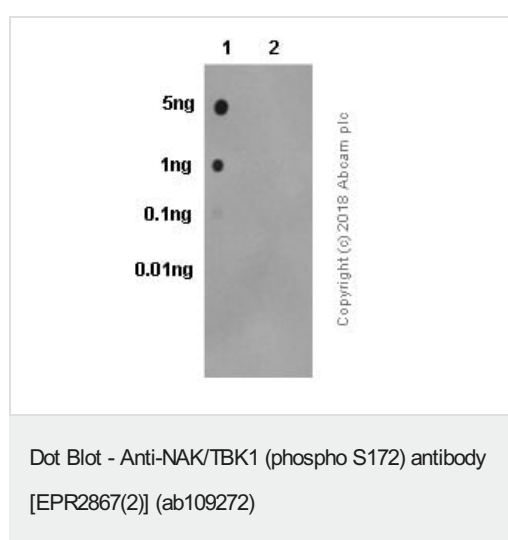
## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 84 kDa

**Observed band size:** 84 kDa

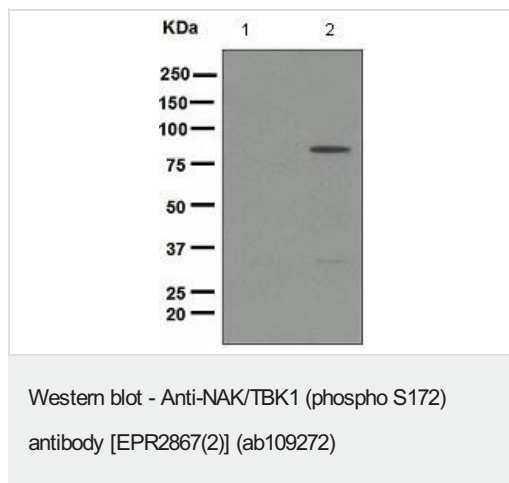
**Exposure time:** 37 seconds



Dot blot analysis of NAK/TBK1 (phospho S172) phospho peptide (Lane 1) and NAK/TBK1 non-phospho peptide (Lane 2) labelling NAK/TBK1 (phospho S172) phospho peptide with ab109272 at a dilution of 1:1000 dilution (0.627µg/ml). A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) was used as the secondary antibody at a dilution of 1:20,000 dilution.

Blocking buffer: 5% NFDm/TBST.

Dilution buffer: 5% NFDm /TBST .



**All lanes :** Anti-NAK/TBK1 (phospho S172) antibody [EPR2867(2)] (ab109272) at 1/1000 dilution

**Lane 1 :** HeLa cell lysate, untreated

**Lane 2 :** HeLa cell lysate, treated with Calyculin A

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 84 kDa

Why choose a recombinant antibody?

**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-NAK/TBK1 (phospho S172) antibody [EPR2867(2)] (ab109272)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors