

### Anti-PKR (phospho T446) antibody [E120] ab32036

リコンビナント **RabMAb**

★★★★☆ **6 Abreviews** **107 References** 画像数 4

#### 製品の概要

製品名	Anti-PKR (phospho T446) antibody [E120]
製品の詳細	Rabbit monoclonal [E120] to PKR (phospho T446)
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP <b>適用なし:</b> Flow Cyt, ICC/IF or IHC-P
種交差性	<b>交差種:</b> Human, Pig
免疫原	Synthetic peptide within Human PKR. The exact sequence is proprietary. Database link: <b>P19525</b> (Peptide available as <b>ab181660</b> )
ポジティブ・コントロール	WB: HeLa treated with Calyculin A and TNF-alpha whole cell lysate; Calyculin A and IFN treated HeLa cell lysate. IHC-P: Human colon tissue. IP: HeLa
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> . Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

#### 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: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	E120
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ab32036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。

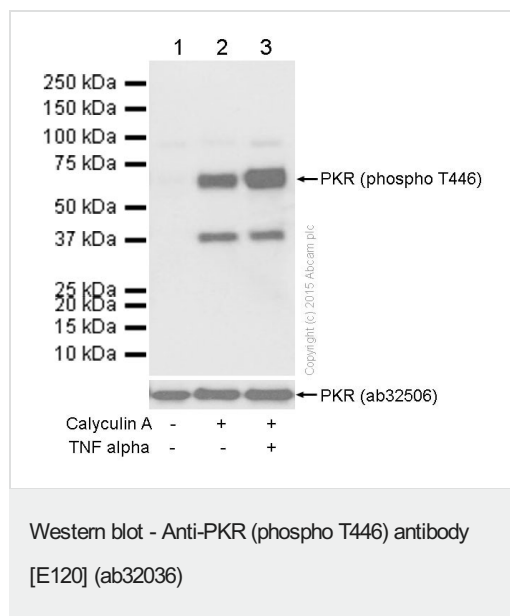
アプリケーション	Abreviews	特記事項
WB	★★★★★ (6)	1/1000. Detects a band of approximately 68 kDa (predicted molecular weight: 62 kDa).
IP		1/10.

**追加情報**      Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## ターゲット情報

<b>機能</b>	Following activation by double-stranded RNA in the presence of ATP, the kinase becomes autophosphorylated and can catalyze the phosphorylation of the translation initiation factor EIF2S1, which leads to an inhibition of the initiation of protein synthesis. Double-stranded RNA is generated during the course of a viral infection.
<b>配列類似性</b>	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. GCN2 subfamily. Contains 2 DRBM (double-stranded RNA-binding) domains. Contains 1 protein kinase domain.
<b>翻訳後修飾</b>	Autophosphorylated on several Ser and Thr residues. Autophosphorylation of Thr-451 is dependent on Thr-446 and is stimulated by dsRNA binding and dimerization. Autophosphorylation apparently leads to the activation of the kinase.

## 画像



**All lanes :** Anti-PKR (phospho T446) antibody [E120] (ab32036) at 1/2000 dilution

**Lane 1 :** HeLa (human cervix adenocarcinoma) whole cell lysate

**Lane 2 :** HeLa (human cervix adenocarcinoma) treated with 100 ng/mL Calyculin A whole cell lysate

**Lane 3 :** HeLa (human cervix adenocarcinoma) treated with 100 ng/mL Calyculin A followed by 20 ng/mL TNF alpha whole cell lysate

Lysates/proteins at 15 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

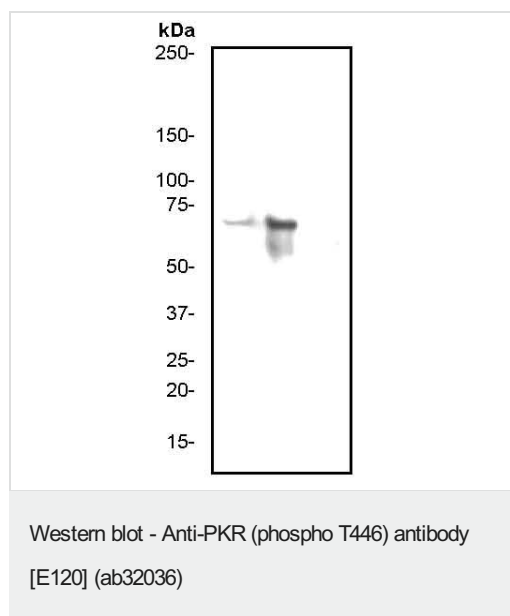
**Predicted band size:** 62 kDa

**Observed band size:** 68 kDa

**Exposure time:** 10 seconds

**Blocking/Diluting buffer:** 5% NFDM/TBST

**Positive control:** Rabbit monoclonal [Y117] to PKR ([ab32506](#)).



**All lanes :** Anti-PKR (phospho T446) antibody [E120] (ab32036) at 1/1000 dilution (unpurified)

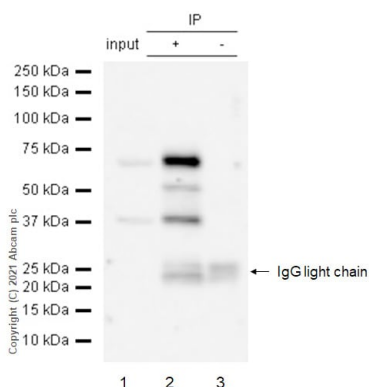
**Lane 1 :** Hela (human epithelial cell line from cervix adenocarcinoma) cell lysate

**Lane 2 :** Hela cell lysate + IFN + CalyculinA

**Lane 3 :** Hela cell lysate + Pptase

**Predicted band size:** 62 kDa

**Observed band size:** 68 kDa



Immunoprecipitation - Anti-PKR (phospho T446)  
antibody [E120] (ab32036)

PKR was immunoprecipitated from 0.35 mg HeLa (Human cervix adenocarcinoma epithelial cell) treated with Calyculin A(100nM 30min) whole cell lysate 10 µg with ab32036 at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

**Lane 1:** HeLa (Human cervix adenocarcinoma epithelial cell) treated with Calyculin A(100nM 30min) whole cell lysate 10 µg

**Lane 2:** ab32036 IP in HeLa treated with Calyculin A(100nM 30min) whole cell lysate

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab32036 in HeLa treated with Calyculin A(100nM 30min) whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Lower bands could be cleavage form. (PMID:28702377)

#### 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-PKR (phospho T446) antibody [E120] (ab32036)

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

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