

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

重组 RabMAb

★★★★★ **6 Abreviews** **107 References** **4 图像**

概述

产品名称	Anti-PKR (phospho T446)抗体[E120]
描述	兔单克隆抗体[E120] to PKR (phospho T446)
宿主	Rabbit
经测试应用	适用于: WB, IP 不适用于: Flow Cyt, ICC/IF or IHC-P
种属反应性	与反应: Human, Pig
免疫原	Synthetic peptide within Human PKR. The exact sequence is proprietary. Database link: P19525 (Peptide available as ab181660)
阳性对照	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
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</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: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified

克隆	单克隆
克隆编号	E120
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab32036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。

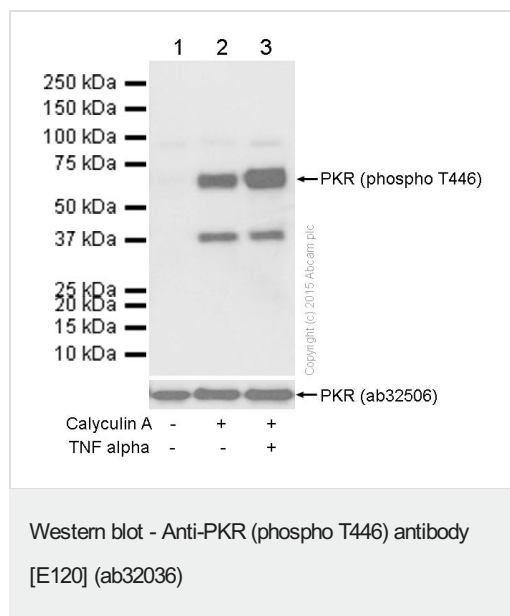
应用	Ab评论	说明
WB	★★★★★ (6)	1/1000. Detects a band of approximately 68 kDa (predicted molecular weight: 62 kDa).
IP		1/10.

应用说明 Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

靶标

功能	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.
序列相似性	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.
翻译后修饰	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.

图片



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

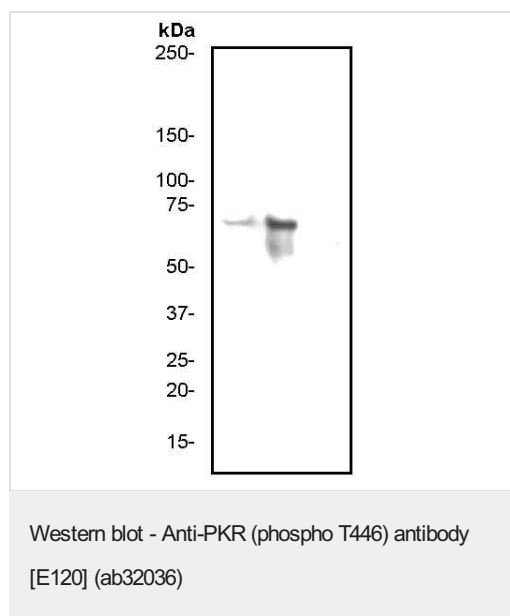
Predicted band size: 62 kDa

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)

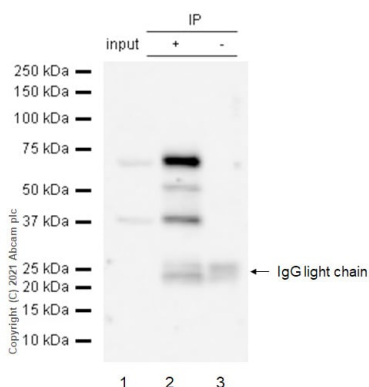
Lane 1 : Hela (human epithelial cell line from cervix adenocarcinoma) cell lysate

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

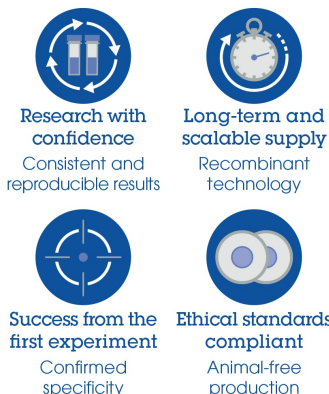
Lane 2: ab32036 IP in HeLa treated with Calyculin A(100nM 30min) whole cell lysate

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?



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

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

Our Promise 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.cn/abpromise> or contact our technical team.

Terms and conditions

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