

Anti-PKR (phospho T451) antibody [EPR2152Y] ab81303

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **24 References** 画像数 5

製品の概要

製品名	Anti-PKR (phospho T451) antibody [EPR2152Y]
製品の詳細	Rabbit monoclonal [EPR2152Y] to PKR (phospho T451)
由来種	Rabbit
アプリケーション	適用あり: Dot blot, WB 適用なし: IHC-P
種交差性	交差種: Human, Pig
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa cell lysates.
特記事項	<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>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 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	EPR2152Y
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ab81303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。

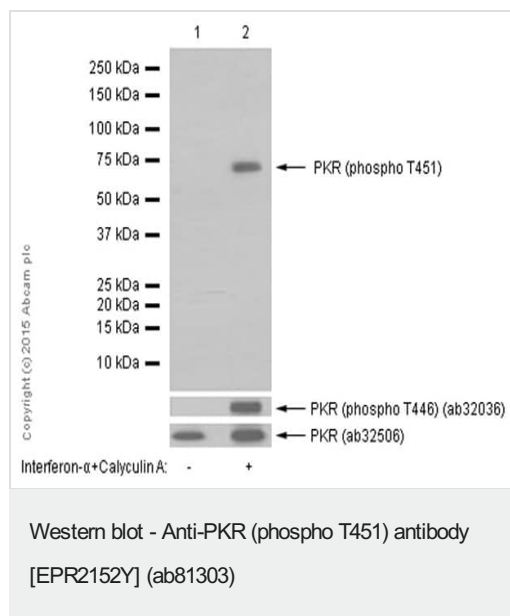
アプリケーション	Abreviews	特記事項
Dot blot		1/1000.
WB	★☆☆☆☆ (1)	Use at an assay dependent concentration. Detects a band of approximately 68 kDa (predicted molecular weight: 62 kDa).

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	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.
配列類似性	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.
翻訳後修飾	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 T451) antibody [EPR2152Y] (ab81303) at 1/2000 dilution

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

Lane 2 : HeLa (human cervix adenocarcinoma) treated with Interferon-α and Calyculin A whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

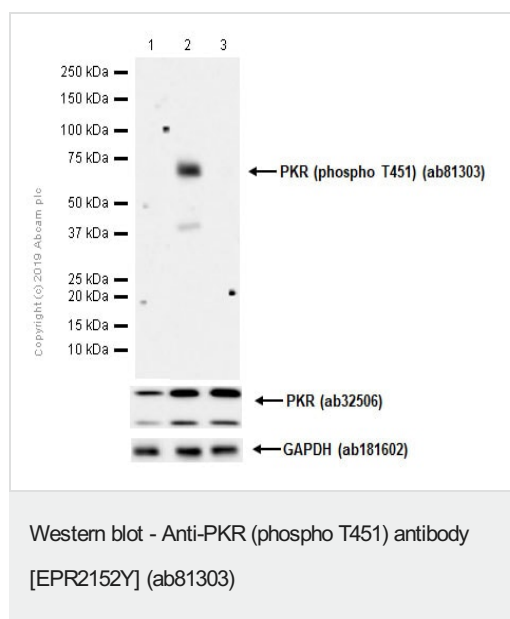
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 62 kDa

Purified format.

Blocking buffer: 5% NFDM/TBST

Diluting buffer: 5% NFDM/TBST



All lanes : Anti-PKR (phospho T451) antibody [EPR2152Y] (ab81303) at 0.048 µg/ml

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

Lane 2 : HeLa treated with 1000U/ml IFN α1 for 18 hours and then treated with 100nM Calyculin A for 15 minutes whole cell lysate

Lane 3 : HeLa treated with 1000U/ml IFN α1 for 18 hours and then treated with 100nM Calyculin A for 15 minutes whole cell lysate. Then the membrane was incubated with alkaline phosphatase.

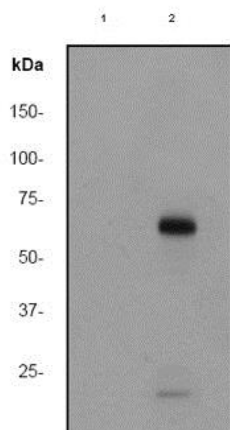
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 0.01 µg/ml

Predicted band size: 62 kDa

Blocking/Diluting Buffer and concentration: 5% NFDM /TBST



Western blot - Anti-PKR (phospho T451) antibody [EPR2152Y] (ab81303)

All lanes : Anti-PKR (phospho T451) antibody [EPR2152Y] (ab81303) at 1/2000 dilution (undiluted)

Lane 1 : HeLa cell lysate un-treated

Lane 2 : HeLa cell lysate treated with IFN-alpha

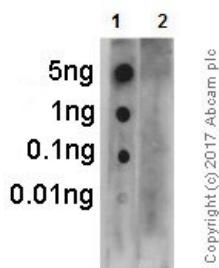
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 62 kDa

Observed band size: 68 kDa



Dot Blot - Anti-PKR (phospho T451) antibody [EPR2152Y] (ab81303)

Dot blot analysis of PKR (pT451) phospho peptide (Lane 1), PKR non-phospho peptide (Lane 2), labeling PKR (phospho T451) with ab81303 at a dilution of 1/1000. **ab97051** (Peroxidase conjugated goat anti-rabbit IgG (H+L)) was used as the secondary antibody at a dilution of 1/100000.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes

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 T451) antibody [EPR2152Y] (ab81303)

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