

Anti-GCN2 (phospho T899) antibody [EPR2320Y] ab75836

リコンビナント RabMAb

★★★★☆ **13 Abreviews** **69 References** **画像数 5**

製品の概要

製品名	Anti-GCN2 (phospho T899) antibody [EPR2320Y]
製品の詳細	Rabbit monoclonal [EPR2320Y] to GCN2 (phospho T899)
由来種	Rabbit
アプリケーション	適用あり: Dot blot, WB 適用なし: Flow Cyt, ICC/IF, IHC-P or IP
種交差性	交差種: Human
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 treated with Calyculin. Dot Blot: GCN2 (phospho T899) phospho peptide.
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, 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 EPR2320Y
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ab75836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。

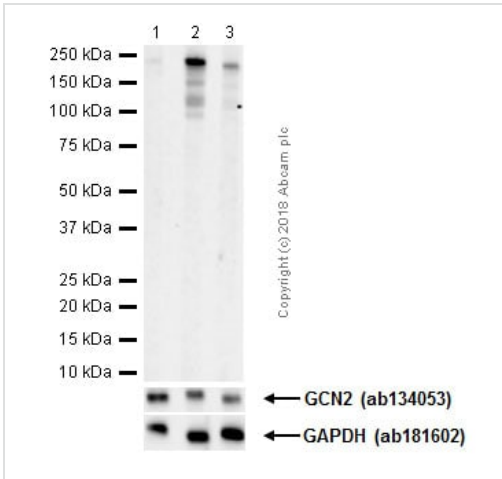
アプリケーション	Abreviews	特記事項
Dot blot		1/1000.
WB	★★★★☆ (10)	1/1000 - 1/2000. Detects a band of approximately 220 kDa (predicted molecular weight: 187 kDa). For unpurified use at 1/500.

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

ターゲット情報

機能 Can phosphorylate the alpha subunit of EIF2 and may mediate translational control.
組織特異性 Widely expressed.
配列類似性 Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. GCN2 subfamily.
 Contains 2 protein kinase domains.
 Contains 1 RWD domain.
ドメイン Kinase domain 1 is a degenerate kinase domain.
 RWD domain is reported to interact with GCN1L1.
翻訳後修飾 Autophosphorylated on threonine residues.

画像



Western blot - Anti-GCN2 (phospho T899) antibody [EPR2320Y] (ab75836)

All lanes : Anti-GCN2 (phospho T899) antibody [EPR2320Y] (ab75836) at 1/1000 dilution

Lane 1 : HeLa (human cervix adenocarcinoma epithelial cell) grown in serum free media for 24hours, whole cell lysate

Lane 2 : HeLa grown in serum free media for 24hours, then treated with 100nM Calyculin A for 30min, whole cell lysate

Lane 3 : HeLa grown in serum free media for 24hours, then treated with 100nM Calyculin A for 30min, whole cell lysate. Then the membrane was incubated with alkaline phosphatase

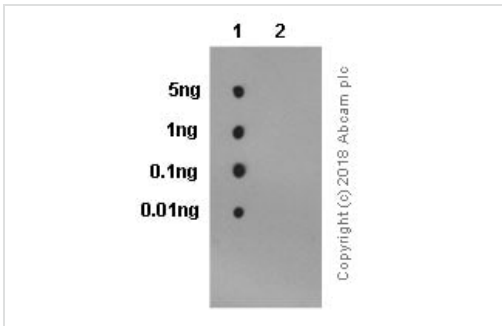
Lysates/proteins at 15 µg per lane.

Secondary

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

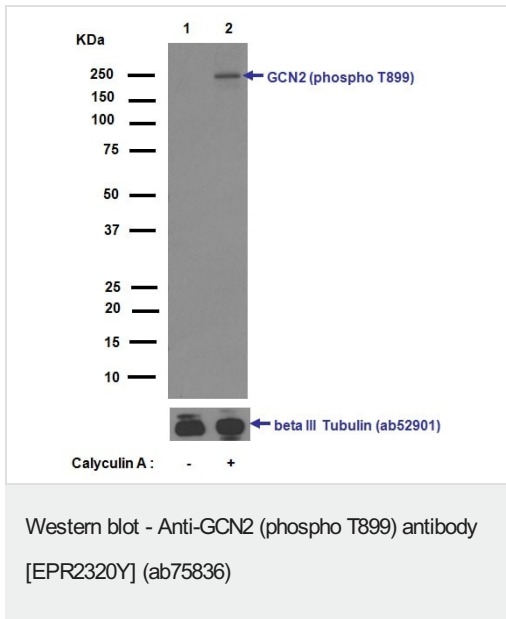
Predicted band size: 187 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Dot Blot - Anti-GCN2 (phospho T899) antibody [EPR2320Y] (ab75836)

Dot blot analysis of GCN2 (phospho T899) phospho peptide (Lane 1) and GCN2 non-phospho peptide (Lane 2) labelling GCN2 (phospho T899) phospho peptide with ab75836 at a dilution of 1:1000 dilution (0.277 µg/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-GCN2 (phospho T899) antibody [EPR2320Y] (ab75836) at 1/1000 dilution (purified)

Lane 1 : HeLa cell lysate - untreated

Lane 2 : HeLa cell lysate - treated with Calyculin

Lysates/proteins at 10 µg per lane.

Secondary

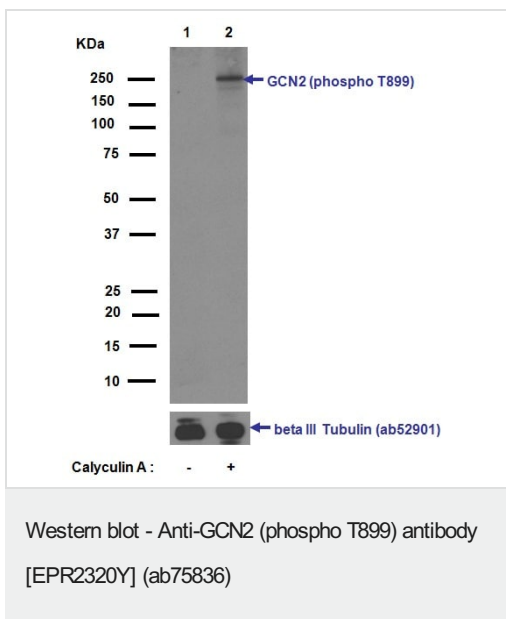
All lanes : Peroxidase conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 187 kDa

Observed band size: 220 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



All lanes : Anti-GCN2 (phospho T899) antibody [EPR2320Y] (ab75836) at 1/500 dilution (unpurified)

Lane 1 : HeLa cell lysate - untreated

Lane 2 : HeLa cell lysate - treated with Calyculin A

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Peroxidase conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

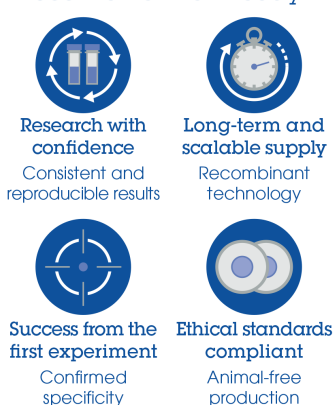
Predicted band size: 187 kDa

Observed band size: 220 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

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-GCN2 (phospho T899) antibody [EPR2320Y]
(ab75836)

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

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