

Anti-IRF3 (phospho S386) antibody [EPR2346] ab76493

リコンビナント **RabMAb**

★★★★★ **2 Abreviews** **140 References** 画像数 4

製品の概要

製品名	Anti-IRF3 (phospho S386) antibody [EPR2346]
製品の詳細	Rabbit monoclonal [EPR2346] to IRF3 (phospho S386)
由来種	Rabbit
アプリケーション	適用あり: WB, Dot blot
種交差性	交差種: Human
免疫原	Synthetic peptide corresponding to Human IRF3 (phospho S386). Database link: Q14653
ポジティブ・コントロール	WB: MCF7 cells treated with Calyculin A.
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: PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EPR2346
アイソタイプ IgG

アプリケーション

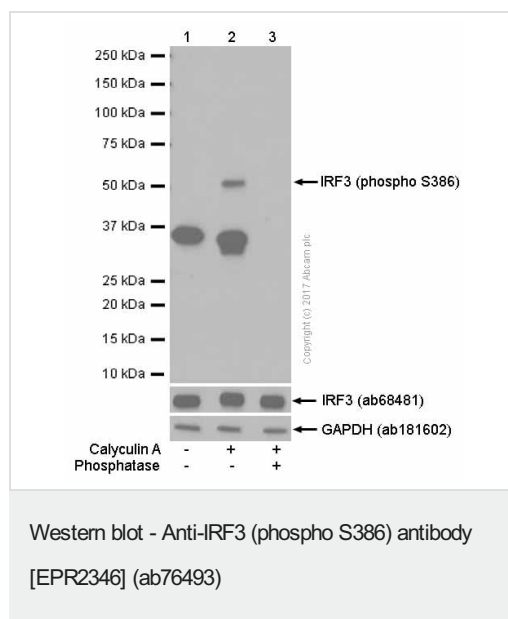
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アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 47 kDa.
Dot blot		1/1000.

ターゲット情報

機能	Mediates interferon-stimulated response element (ISRE) promoter activation. Functions as a molecular switch for antiviral activity. DsRNA generated during the course of an viral infection leads to IRF3 phosphorylation on the C-terminal serine/threonine cluster. This induces a conformational change, leading to its dimerization, nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-activated factor 1 (DRAF1), a complex which activates the transcription of genes under the control of ISRE. The complex binds to the IE and PRDIII regions on the IFN-alpha and IFN-beta promoters respectively. IRF-3 does not have any transcription activation domains.
組織特異性	Expressed constitutively in a variety of tissues.
配列類似性	Belongs to the IRF family. Contains 1 IRF tryptophan pentad repeat DNA-binding domain.
翻訳後修飾	Constitutively phosphorylated on many serines residues. C-terminal serine/threonine cluster is phosphorylated in response of induction by IKBKE and TBK1. Ser-385 and Ser-386 may be specifically phosphorylated in response to induction. An alternate model propose that the five serine/threonine residues between 396 and 405 are phosphorylated in response to a viral infection. Phosphorylation, and subsequent activation of IRF3 is inhibited by vaccinia virus protein E3. Ubiquitinated; ubiquitination involves RBCK1 leading to proteasomal degradation. Polyubiquitinated; ubiquitination involves TRIM21 leading to proteasomal degradation. ISGylated by HERC5 resulting in sustained IRF3 activation and in the inhibition of IRF3 ubiquitination by disrupting PIN1 binding. The phosphorylation state of IRF3 does not alter ISGylation.
細胞内局在	Cytoplasm. Nucleus. Shuttles between cytoplasmic and nuclear compartments, with export being the prevailing effect. When activated, IRF3 interaction with CREBBP prevents its export to the cytoplasm.

画像



All lanes : Anti-IRF3 (phospho S386) antibody [EPR2346] (ab76493) at 0.2 µg/ml (purified)

Lane 1 : MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2 : MCF7 (Human breast adenocarcinoma epithelial cell) treated with Calyculin A for 45 minutes whole cell lysates

Lane 3 : MCF7 (Human breast adenocarcinoma epithelial cell) treated with Calyculin A for 45 minutes whole cell lysates. Then the membrane was incubated with phosphatase

Lysates/proteins at 15 µg per lane.

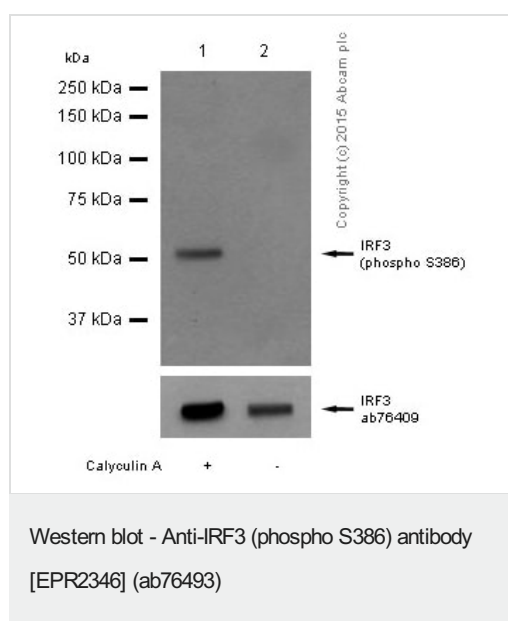
Secondary

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

Predicted band size: 47 kDa

Blocking and diluting buffer: 5% NFDM/TBST

We are unsure to define the extra band at 37KD.



All lanes : Anti-IRF3 (phospho S386) antibody [EPR2346] (ab76493) at 1/20000 dilution (Unpurified)

Lane 1 : MCF7 cell lysate - treated with Calyculin A

Lane 2 : MCF7 cell lysate – untreated

Lysates/proteins at 20 µg per lane.

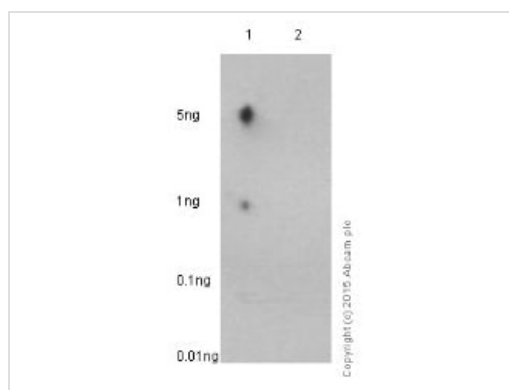
Secondary

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: 47 kDa

Blocking buffer - 5% NFDM/TBST

Diluting buffer - 1% BSA



Dot Blot - Anti-IRF3 (phospho S386) antibody
[EPR2346] (ab76493)

Dot blot analysis of IRF3 single phospho peptide pS386 (lane 1) and IRF3 non-phospho peptide (lane 2) with unpurified ab76493 at 1/1000. Blocking and diluting buffer was 5% NFDm/TBST. The secondary antibody used was **ab97051** Peroxidase conjugated Goat Anti-Rabbit IgG, (H+L) at 1/100,000.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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(ab76493)

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