

Anti-IRF3 antibody ab25950

★★★★☆ **3 Abreviews** **36 References** 画像数 2

製品の概要

製品名	Anti-IRF3 antibody
製品の詳細	Rabbit polyclonal to IRF3
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Human
免疫原	A synthetic peptide corresponding to 14 amino acids near the carboxyterminus of IRF3 (Human)
ポジティブ・コントロール	WB: Ramos and HT-29 cell lysates.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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 long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: 99% PBS</p>
精製度	Immunogen affinity purified
特記事項(精製)	IRF3 Antibody is affinity chromatography purified via peptide column.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

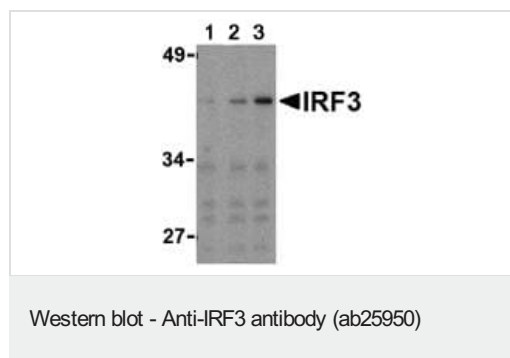
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab25950の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (2)	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 44 kDa (predicted molecular weight: 47 kDa).

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 a 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



Lane 1 : Anti-IRF3 antibody (ab25950) at 1 µg/ml

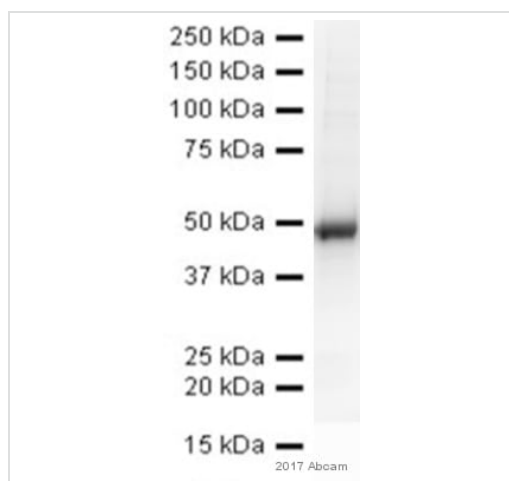
Lane 2 : Anti-IRF3 antibody (ab25950) at 2 µg/ml

Lane 3 : Anti-IRF3 antibody (ab25950) at 4 µg/ml

All lanes : Ramos whole cell lysate.

Predicted band size: 47 kDa

Observed band size: ~44 kDa



Western blot - Anti-IRF3 antibody (ab25950)

This image is courtesy of an anonymous Abreview

Anti-IRF3 antibody (ab25950) at 1/1000 dilution + HT-29 at 30 µg

Secondary

HRP conjugated Anti-rabbit IgG, Goat polyclonal at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 47 kDa

Samples were incubated with primary antibody for 18 hours at 4°C and blocked with 5% BSA for 1 hour at room temperature.

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