

Anti-IRF3 antibody ab25950

★★★★★ [3 Abreviews](#) [36 References](#) [2 图像](#)

概述

产品名称	Anti-IRF3抗体
描述	兔多克隆抗体to IRF3
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	A synthetic peptide corresponding to 14 amino acids near the carboxyterminus of IRF3 (Human)
阳性对照	WB: Ramos and HT-29 cell lysates.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: 99% PBS</p>
纯度	Immunogen affinity purified
纯化说明	IRF3 Antibody is affinity chromatography purified via peptide column.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab25950 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	★★★★★ (2)	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 44 kDa (predicted molecular weight: 47 kDa).

靶标

功能

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.

组织特异性

Expressed constitutively in a variety of tissues.

序列相似性

Belongs to the IRF family.

Contains 1 IRF tryptophan pentad repeat DNA-binding domain.

翻译后修饰

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.

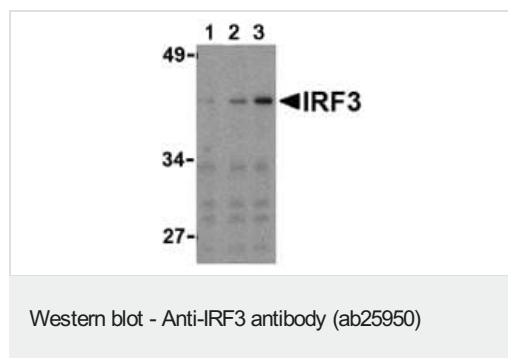
Polyubiquitinated; ubiquitination involves TRIM21 leading to proteasomal degradation.

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.

细胞定位

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.

图片



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

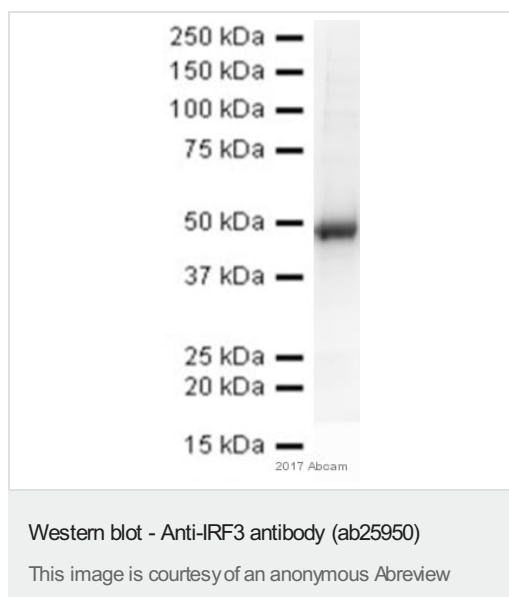
Lane 2 : Anti-IRF3 antibody (ab25950) at 2 µg/ml

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



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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