abcam

Product datasheet

Anti-ISG15 antibody ab14374

13 References 1 图像

概述

产**品名称** Anti-ISG15抗体

描述 兔多克隆抗体to ISG15

宿主 Rabbit

经**测试应用 适用于:** WB

种属反应性 与反应: Human

免疫原 Recombinant full length protein corresponding to Human ISG15.

Database link: P05161

常规说明 Centrifuge product if not completely clear after standing at room temperature.

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.

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

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 or -

80°C. Avoid freeze / thaw cycle.

存储溶液 Preservative: 0.01% Sodium azide

Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride

纯**度** lgG fraction

纯**化说明** This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step

process, which includes delipidation, salt fractionation and ion exchange chromatography

 $followed\ by\ extensive\ dialysis.\ Assay\ by\ immunoelectrophores is\ resulted\ in\ a\ single\ precipitin\ arc$

against anti-Rabbit serum.

克隆 多克隆

同种型 IgG

1

The Abpromise guarantee

Abpromise™承诺保证使用ab14374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		1/200 - 1/1000. Predicted molecular weight: 17.8 kDa.

靶标

功能

Ubiquitin-like protein that is conjugated to intracellular target proteins after IFN-alpha or IFN-beta stimulation. Its enzymatic pathway is partially distinct from that of ubiquitin, differing in substrate specificity and interaction with ligating enzymes. ISG15 conjugation pathway uses a dedicated E1 enzyme, but seems to converge with the Ub conjugation pathway at the level of a specific E2 enzyme. Targets include STAT1, SERPINA3G/SPI2A, JAK1, MAPK3/ERK1, PLCG1, EIF2AK2/PKR, MX1/MxA, and RIG-1. Deconjugated by USP18/UBP43. Shows specific chemotactic activity towards neutrophils and activates them to induce release of eosinophil chemotactic factors. May serve as a trans-acting binding factor directing the association of ligated target proteins to intermediate filaments. May also be involved in autocrine, paracrine and endocrine mechanisms, as in cell-to-cell signaling, possibly partly by inducing IFN-gamma secretion by monocytes and macrophages. Seems to display antiviral activity during viral infections.

In response to IFN-tau secreted by the conceptus, may ligate to and regulate proteins involved in the release of prostaglandin F2-alpha (PGF), and thus prevent lysis of the corpus luteum and maintain the pregnancy.

组织特异性

Detected in lymphoid cells, striated and smooth muscle, several epithelia and neurons.

序列相似性

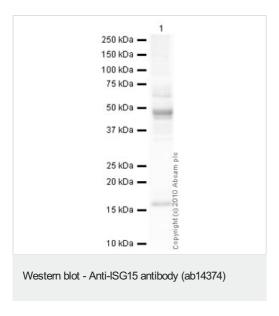
Contains 2 ubiquitin-like domains.

细胞定位

Cytoplasm. Secreted. UCRP conjugates seem to be noncovalently associated with the

intermediate filaments and distributed in a punctate pattern. Also secreted.

图片



Anti-ISG15 antibody (ab14374) at 1/500 dilution + MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 17.8 kDa

Exposure time: 12 minutes

The band observed at 16 kDa could potentially be a cleaved form of ISG15 due to the presence of an 8 amino acid propeptide.

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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