

### 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: <a href="#">P05161</a>
常规说明	<p>Centrifuge product if not completely clear after standing at room temperature.</p> <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&amp;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 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	IgG 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 immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit serum.
克隆	多克隆
同种型	IgG

应用

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	<p>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.</p> <p>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.</p>
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



Western blot - Anti-ISG15 antibody (ab14374)

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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