abcam

Product datasheet

Anti-ISG15 antibody ab14374

<u>13 References</u> 画像数 1

| 製品の概要 | |
|----------|---|
| 製品名 | Anti-ISG15 antibody |
| 製品の詳細 | Rabbit polyclonal to ISG15 |
| 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 | Recombinant full length protein corresponding to Human ISG15. Database link: P05161 |
| 特記事項 | 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 |

製品の特性

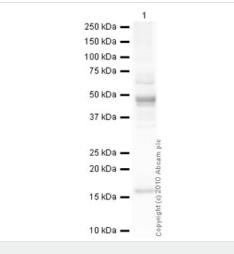
| 製品の状態 | Liquid |
|----------|--|
| 保存方法 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or - 80°C. Avoid freeze / thaw cycle. |
| バッファー | Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride |
| 精製度 | lgG fraction |
| 特記事項(精製) | 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. |
| ポリ/モノ | ポリクローナル |
| アイソタイプ | lgG |

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ab14374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 | | 1/200 - 1/1000. Predicted molecular weight: 17.8 kDa. |

| ターゲット情報 | |
|---------|--|
| 機能 | 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. |
| 組織特異性 | Detected in lymphoid cells, striated and smooth muscle, several epithelia and neurons. |
| 配列類似性 | Contains 2 ubiquitin-like domains. |
| 細胞内局在 | Cytoplasm. Secreted. UCRP conjugates seem to be noncovalently associated with the intermediate filaments and distributed in a punctate pattern. Also secreted. |

画像



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 μ g

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (<u>ab97080</u>) 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.

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