

Anti-IFI16 antibody [2E3] ab55328

★★★★★ [4 Abreviews](#) [22 References](#) [画像数 4](#)

製品の概要

製品名	Anti-IFI16 antibody [2E3]
製品の詳細	Mouse monoclonal [2E3] to IFI16
由来種	Mouse
アプリケーション	適用あり: WB, IHC-P, ICC/IF, Flow Cyt, Purification
種交差性	交差種: Human
免疫原	Recombinant fragment: FVNGVFEVHK KNVRGEFTYY EIQDNTGKME VVVHGRLLTI NCEEGDKLKL TCFELAPKSG NTGELRSVIH SHIKVIKTRK NKKDILNPDS SMETSPDFFF , corresponding to amino acids 630-730 of Human IFI16 Run BLAST with ExPASy Run BLAST with NCBI
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 24/1/19. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</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&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.4
精製度	Tissue culture supernatant
特記事項(精製)	Purified from TCS.
ポリ/モノ	モノクローナル
クローン名	2E3

アイソタイプ IgG2b
軽鎖の種類 kappa

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ab55328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。

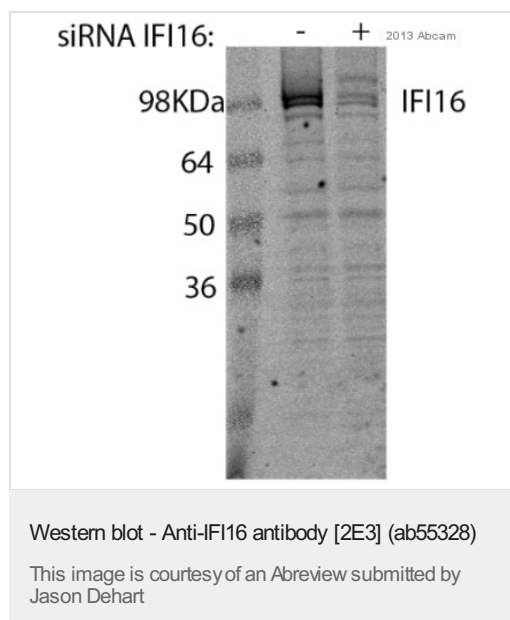
アプリケーション	Abreviews	特記事項
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 88 kDa.
IHC-P		Use at an assay dependent concentration.
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.
Purification		Use at an assay dependent concentration. PubMed: 22691496

ターゲット情報

関連性 Interferon (IFN) Inducible 16 (IFI16) protein belongs to a family of HIN 200 human and mouse proteins. IFI16 is a nuclear protein containing regulatory domains such as DNA binding domain, transcriptional regulatory domain and DAPIN/PAAD domain. IFI16 has three isotypes A, B, and C (85-95 kDa), which arise as a result of mRNA alternative splicing. All are phosphorylated on serine and threonine residues and can homo and heterodimerize. Expression is restricted to the nuclei of hematopoietic cells, fibroblasts and epithelial cells. IFI16 expression in hematopoietic cells of myeloid lineage is tightly regulated and highly induced in the differentiation and proliferation of the cell. Due to its localization in the nucleus, regulation of protein expression, and ability to bind DNA, it is assumed that IFI16 has a role in transcription regulation of cell differentiation. In addition, it was found that IFI16 can act as a transcriptional repressor and is involved in regulation and activation of p53 in cancer cells.

細胞内局在 Nucleus. Cytoplasm. Note: Cellular distribution is dependent on the acetylation status of the multipartite nuclear localization signal (NLS); NLS acetylation promotes cytoplasmic localization.

画像



All lanes : Anti-IFI16 antibody [2E3] (ab55328) at 1/1000 dilution

Lane 1 : Human sjsa1 whole cell lysate without siRNA to IFI16

Lane 2 : Human sjsa1 whole cell lysate with siRNA to IFI16

Lysates/proteins at 30 µg per lane.

Secondary

All lanes : IRDye® 680-conjugated Mouse anti-mouse IgG polyclonal at 1/5000 dilution

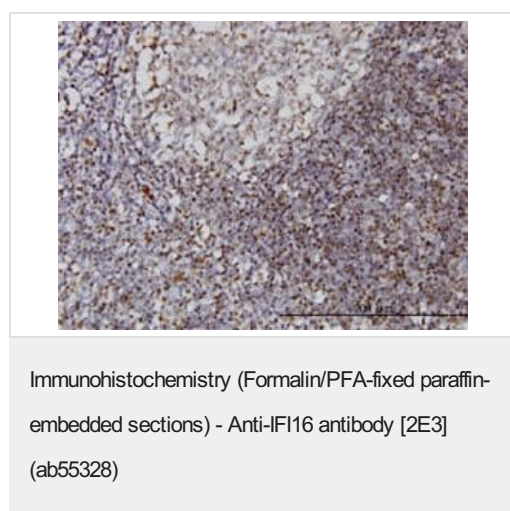
Performed under reducing conditions.

Predicted band size: 88 kDa

Observed band size: 98 kDa

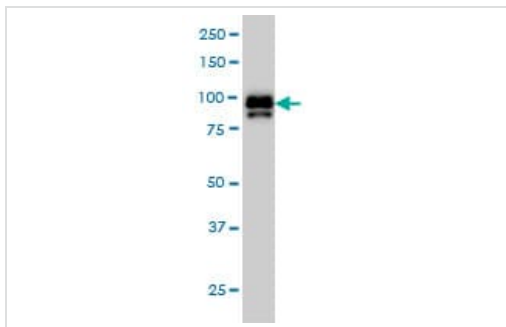
Exposure time: 5 minutes

This image was generated using the ascites version of the product.



IFI16 antibody (ab55328) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human tonsil.

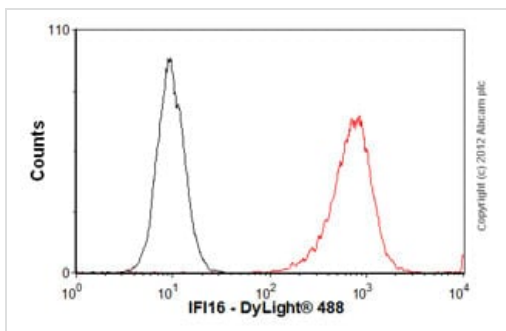
This image was generated using the ascites version of the product.



Western blot - Anti-IFI16 antibody [2E3] (ab55328)

IFI16 antibody (ab55328) at 1 µg/lane + HeLa cell lysate at 25 µg/lane.

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Flow Cytometry - Anti-IFI16 antibody [2E3] (ab55328)

Overlay histogram showing Jurkat cells stained with ab55328 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab55328, 1 µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (**ab91366**, 2 µg/1x10⁶ cells) used under the same conditions.

Acquisition of >5,000 events was performed. This antibody gave a positive signal in Jurkat cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

This image was generated using the ascites version of the product.

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