

Anti-IRF4 antibody [EPR5653] ab124691

リコンビナント RabMAb[®]

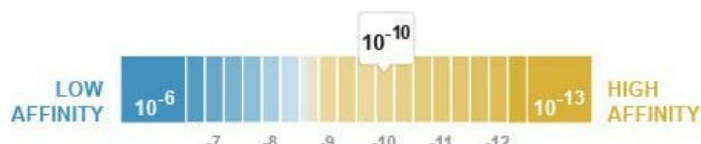
★★★★☆ **3 Abreviews** **2 References** 画像数 8

製品の概要

製品名	Anti-IRF4 antibody [EPR5653]
製品の詳細	Rabbit monoclonal [EPR5653] to IRF4
由来種	Rabbit
特異性	Uniprot ID - Q15306
アプリケーション	適用あり: WB, IP, IHC-P, ChIP 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Ramos, HuT 78 and IM 9 cell lysates; IHC-P: Human colon and tonsil tissues. IP: Ramos lysate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解離定数 (K _D 値)	K _D = 4.18 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR5653
アイソタイプ	IgG

アプリケーション

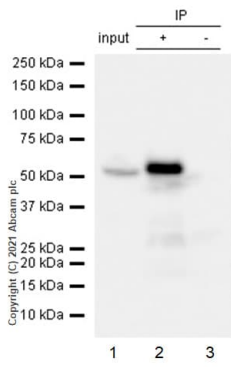
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab124691の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa).
IP		1/10 - 1/100.
IHC-P	★★★★★ (3)	1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ChIP		Use 5 µg for 25 µg of chromatin.

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能	Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) of the MHC class I promoter. Binds the immunoglobulin lambda light chain enhancer, together with PU.1. Probably plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells. Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 and activation of genes.
組織特異性	Lymphoid cells.
関連疾患	Multiple myeloma
配列類似性	Belongs to the IRF family. Contains 1 IRF tryptophan pentad repeat DNA-binding domain.
翻訳後修飾	Phosphorylation by ROCK2 regulates IL-17 and IL-21 production.
細胞内局在	Nucleus.



Immunoprecipitation - Anti-IRF4 antibody [EPR5653] (ab124691)

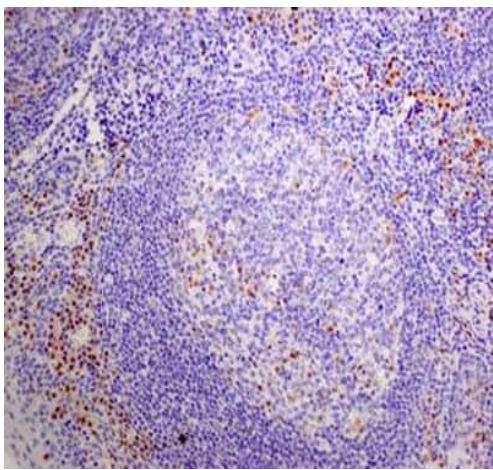
IRF4 was immunoprecipitated from 0.35 mg Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysate 10 μ g with 124691 at 1/50 dilution (2 μ g). VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

Lane 1: Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysate 10 μ g

Lane 2: ab124691 IP in Ramos whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab124691 in Ramos whole cell lysate

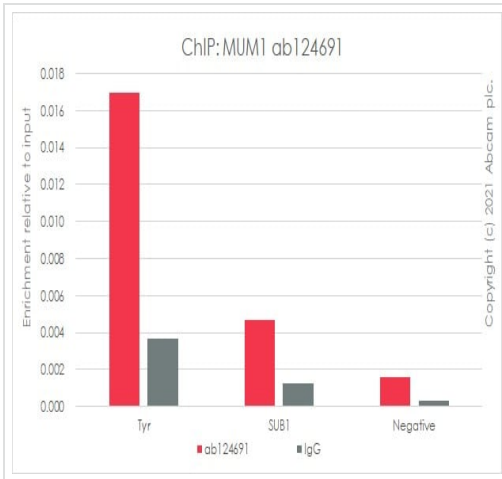
Blocking and dilution buffer and concentration: 5% NFDm/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF4 antibody [EPR5653] (ab124691)

ab124691, at 1/100, staining IRF4 in paraffin-embedded Human tonsil tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

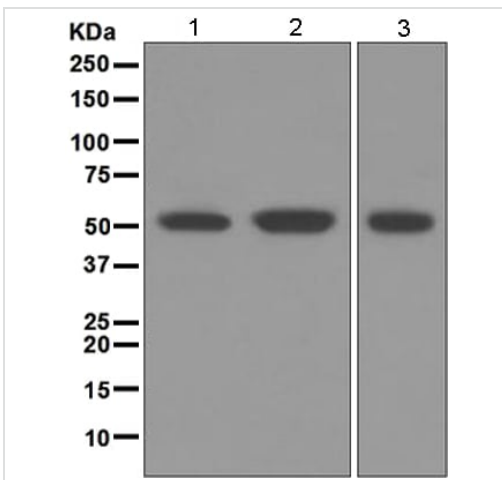


ChIP - Anti-IRF4 antibody [EPR5653] (ab124691)

Chromatin was prepared from SK-MEL-28 cells according to the Abcam Dual-X-ChIP **protocol**. Cells were fixed with 1.5 mM EGS for 30mins and then formaldehyde for 10min.

The ChIP was performed with 25 µg of chromatin, 5 µg of ab124691 (red), or 5 µg of rabbit normal IgG **ab172730** (gray) and 25 µl of Protein A/G Dynabeads. The immunoprecipitated DNA was quantified by real time PCR (Sybr green approach).

ChIP was performed according to the literature (PMID: 24267888)



Western blot - Anti-IRF4 antibody [EPR5653] (ab124691)

All lanes : Anti-IRF4 antibody [EPR5653] (ab124691) at 1/1000 dilution

Lane 1 : Ramos cell lysate

Lane 2 : HuT-78 cell lysate

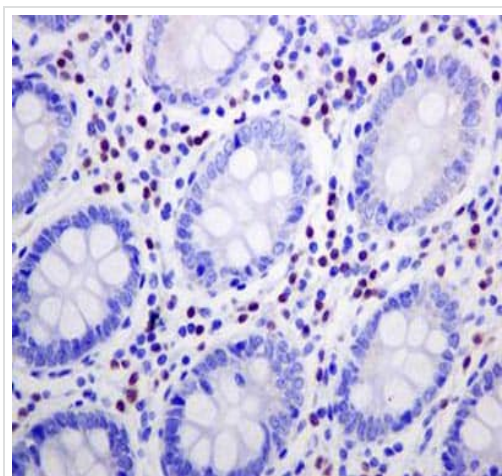
Lane 3 : IM 9 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP conjugated at 1/2000 dilution

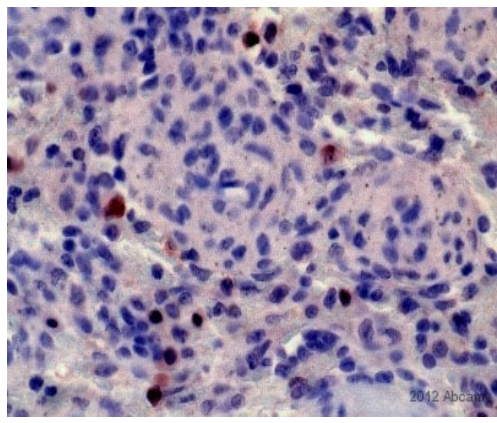
Predicted band size: 52 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF4 antibody [EPR5653] (ab124691)

ab124691, at 1/100, staining IRF4 in paraffin-embedded Human colon tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

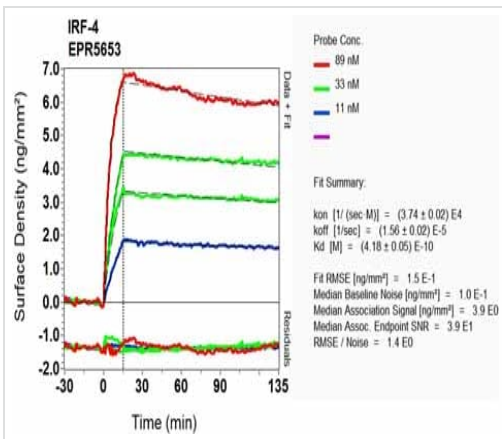


Immunohistochemical analysis of dog spleen tissue, staining IRF4 with ab124691.

Tissue was fixed with formaldehyde and blocked with 2.5% serum for 30 minutes at 25°C; antigen retrieval was by heat mediation in a TRIS-EDTA buffer (pH 9). Samples were incubated with primary antibody (1/50 in PBS plus 1X casein) for 1 hour 30 minutes at 37°C. An undiluted HRP-conjugated horse anti-rabbit polyclonal IgG was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF4 antibody [EPR5653] (ab124691)

This image is courtesy of an anonymous Abreview



Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

OI-RD Scanning - Anti-IRF4 antibody [EPR5653] (ab124691)

Why choose a recombinant antibody?



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Confirmed specificity



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Animal-free production

Anti-IRF4 antibody [EPR5653] (ab124691)

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