

Anti-IRF4 antibody [EPR5653] - BSA and Azide free ab247962

リコンビナント **RabMAb**

画像数 7

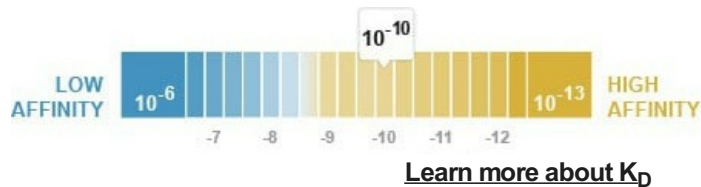
製品の概要

製品名	Anti-IRF4 antibody [EPR5653] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR5653] to IRF4 - BSA and Azide free
由来種	Rabbit
特異性	Uniprot ID - Q15306.
アプリケーション	適用あり: IHC-P, WB, IP, 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>ab247962 is the carrier-free version of ab124691.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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>

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
解離定数 (K_D 値)	$K_D = 4.18 \times 10^{-10}$ M



バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
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ab247962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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa).
IP		Use at an assay dependent concentration.
ChIP		Use at an assay dependent concentration.

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.

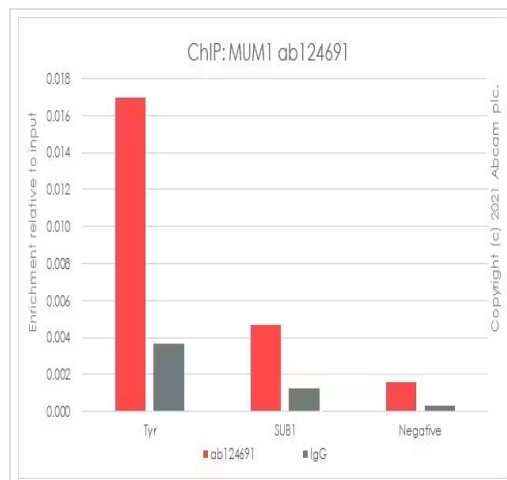
翻訳後修飾

Phosphorylation by ROCK2 regulates IL-17 and IL-21 production.

細胞内局在

Nucleus.

画像



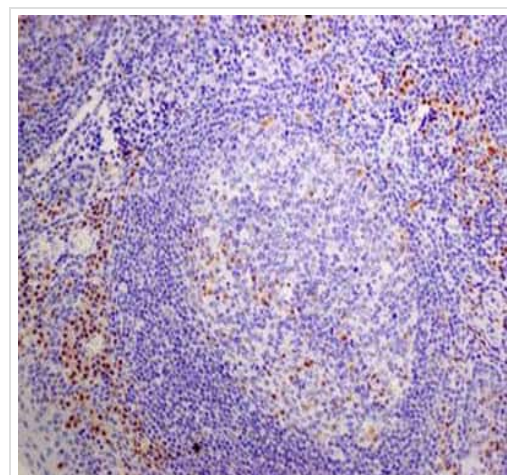
ChIP - Anti-IRF4 antibody [EPR5653] - BSA and Azide free (ab247962)

This data was developed using [ab124691](#), the same antibody clone in a different buffer formulation.

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).

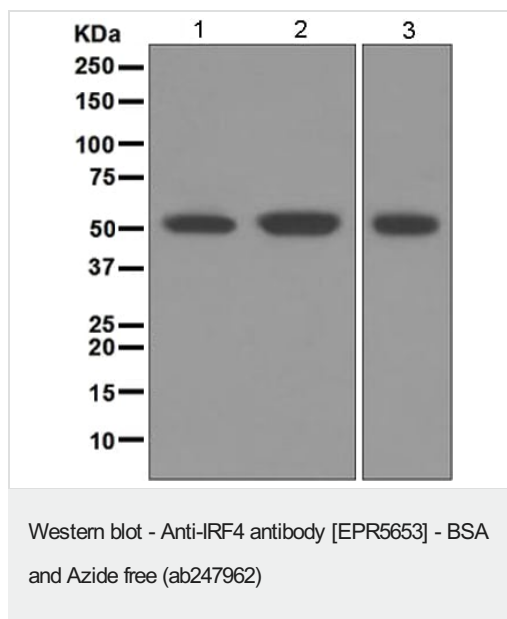
ChIP was performed according to the literature (PMID: 24267888)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF4 antibody [EPR5653] - BSA and Azide free (ab247962)

This data was developed using [ab124691](#), the same antibody clone in a different buffer formulation.

[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.



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

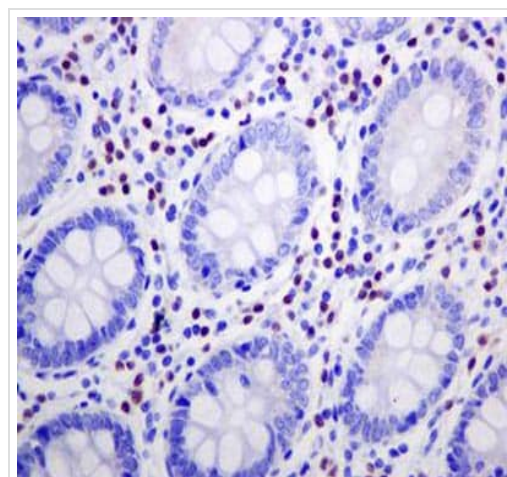
Lysates/proteins at 10 µg per lane.

Secondary

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

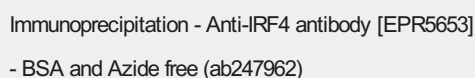
Predicted band size: 52 kDa

This data was developed using [ab124691](#), the same antibody clone in a different buffer formulation.

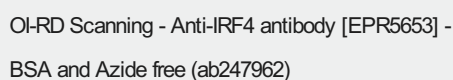


This data was developed using [ab124691](#), the same antibody clone in a different buffer formulation. [ab124691](#), at 1/100, staining IRF4 in paraffin-embedded Human colon tissue by Immunohistochemistry. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF4 antibody [EPR5653] - BSA and Azide free (ab247962)



Blocking and dilution buffer and concentration: 5% NFDM/TBST.



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Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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(ab247962)

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