

Anti-NFAT4/NF-ATc3 antibody [EPR24994-68] ab283690

KO 評価済 リコンビナント RabMAb

1 References [画像数 3](#)

製品の概要

製品名	Anti-NFAT4/NF-ATc3 antibody [EPR24994-68]
製品の詳細	Rabbit monoclonal [EPR24994-68] to NFAT4/NF-ATc3
由来種	Rabbit
アプリケーション	適用あり: WB 適用なし: Flow Cyt (Intra), ICC/IF, IHC-P or IP
種交差性	交差種: Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Jurkat, HeLa and HEK293T whole cell lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR24994-68
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ab283690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。

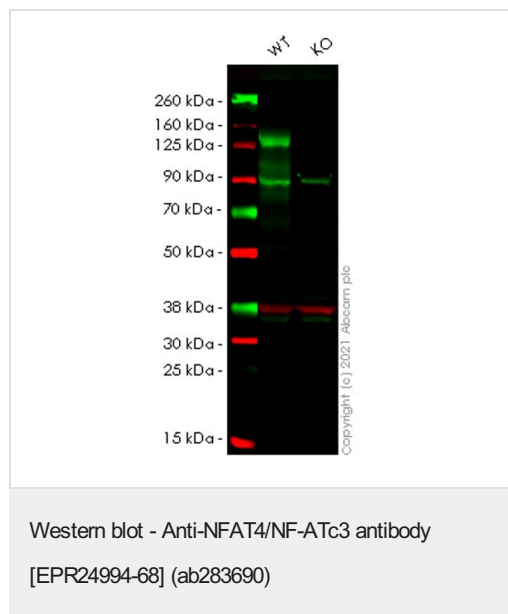
アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 116 kDa.

追加情報 Is unsuitable for Flow Cyt (Intra), ICC/IF, IHC-P or IP.

ターゲット情報

機能	Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2.
組織特異性	Isoform 1 is predominantly expressed in thymus and is also found in peripheral blood leukocytes and kidney. Isoform 2 is predominantly expressed in skeletal muscle and is also found in thymus, kidney, testis, spleen, prostate, ovary, small intestine, heart, placenta and pancreas. Isoform 3 is expressed in thymus and kidney. Isoform 4 is expressed in thymus and skeletal muscle.
配列類似性	Contains 1 RHD (Rel-like) domain.
ドメイン	Rel Similarity Domain (RSD) allows DNA-binding and cooperative interactions with AP1 factors.
翻訳後修飾	Phosphorylated by NFATC-kinase; dephosphorylated by calcineurin.
細胞内局在	Cytoplasm. Nucleus. Cytoplasmic for the phosphorylated form and nuclear after activation that is controlled by calcineurin-mediated dephosphorylation. Rapid nuclear exit of NFATC is thought to be one mechanism by which cells distinguish between sustained and transient calcium signals. The subcellular localization of NFATC plays a key role in the regulation of gene transcription.

画像



All lanes : Anti-NFAT4/NF-ATc3 antibody [EPR24994-68] (ab283690) at 1/1000 dilution

Lane 1 : Wild-type HEK293T (human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : NFATC3 (NFAT4) knockout HEK293T (human embryonic kidney epithelial cell) whole cell lysate

Lysates/proteins at 40 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (IRDye® 800CW) (**ab216773**) and Goat Anti-Mouse IgG H&L (IRDye® 680RD) (**ab216776**) at 1/10000 dilution

Predicted band size: 116 kDa

Observed band size: 140 kDa

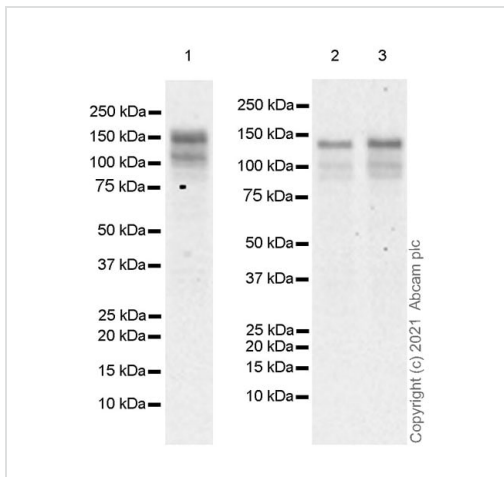
Blocking and diluting buffer and concentration: 3% NFDM/TBST

Lanes 1- 2: Merged signal (red and green). Green - ab283690 observed at 140 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) observed at 37 kDa.

ab283690 was shown to react with NFATC3 (NFAT4) in wild-type HEK293T cells in western blot. Loss of signal was observed when NFATC3 (NFAT4) knockout cell line [ab267300](#) (knockout cell lysate [ab258073](#)) was used. Wild-type HEK293T and NFATC3 (NFAT4) knockout HEK293T cell lysates were subjected to SDS-PAGE.

Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. ab283690 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated at 4°C overnight at 1/1000 dilution and 1/20,000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.

Lysates were made freshly and used in WB immediately to minimize protein degradation.



Western blot - Anti-NFAT4/NF-ATc3 antibody [EPR24994-68] (ab283690)

All lanes : Anti-NFAT4/NF-ATc3 antibody [EPR24994-68] (ab283690) at 1/1000 dilution

Lane 1 : Jurkat (human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 3 : HEK293T (human embryonic kidney epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 116 kDa

Observed band size: 140-160 kDa

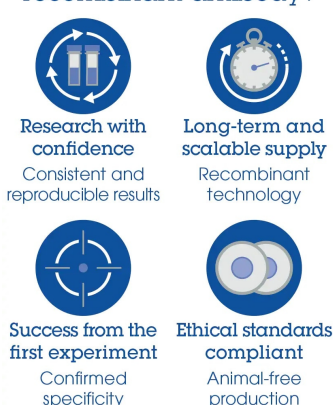
Blocking and diluting buffer and concentration: 3% NFD/MTBST

The molecular weight observed is consistent with what has been described in the literature (PMID: 31988379).

Lysates were made freshly and used in WB immediately to minimize protein degradation.

Exposure time: 3 minutes

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

Anti-NFAT4/NF-ATc3 antibody [EPR24994-68]
(ab283690)

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