abcam

Product datasheet

Anti-c-Fos (phospho T325) antibody ab103604

画像数 1

製品の概要

製品名	Anti-c-Fos (phospho T325) antibody
製品の詳細	Rabbit polyclonal to c-Fos (phospho T325)
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 **交差が予測される動物種:** Mouse, Rat, Sheep, Chicken, Cow, Pig
免疫原	Synthetic peptide conjugated to KLH derived from within residues 300 to the C-terminus of Human c-Fos, phosphorylated at T325 and phosphorylated at T325.Immunogen の所有権に関して
ポジティブ・コントロール	This antibody gave a positive signal in the following whole cell lysates: HeLa; Jurkat; HEK293; HepG2.

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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab103604** in the following tested applications.

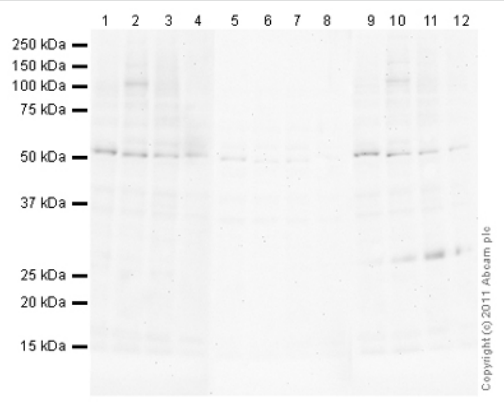
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 41 kDa).

ターゲット情報

機能	Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor. In the heterodimer, FOS and JUN/AP-1 basic regions each seems to interact with symmetrical DNA half sites. On TGF-beta activation, forms a multimeric SMAD3/SMAD4/JUN/FOS complex at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling. Has a critical function in regulating the Has a critical function in regulating the development of cells destined to form and maintain the skeleton. It is thought to have an important role in signal transduction, cell proliferation and differentiation.
配列類似性	Belongs to the bZIP family. Fos subfamily. Contains 1 bZIP domain.
翻訳後修飾	Phosphorylated in the C-terminal upon stimulation by nerve growth factor (NGF) and epidermal growth factor (EGF). Phosphorylated, in vitro, by MAPK and RSK1. Phosphorylation on both Ser-362 and Ser-374 by MAPK1/2 and RSK1/2 leads to protein stabilization with phosphorylation on Ser-374 being the major site for protein stabilization on NGF stimulation. Phosphorylation on Ser-362 and Ser-374 primes further phosphorylations on Thr-325 and Thr-331 through promoting docking of MAPK to the DEF domain. Phosphorylation on Thr-232, induced by HA-RAS, activates the transcriptional activity and antagonizes sumoylation. Phosphorylation on Ser-362 by RSK2 in osteoblasts contributes to osteoblast transformation. Constitutively sumoylated by SUMO1, SUMO2 and SUMO3. Desumoylated by SENP2. Sumoylation requires heterodimerization with JUN and is enhanced by mitogen stimulation. Sumoylation inhibits the AP-1 transcriptional activity and is, itself, inhibited by Ras-activated phosphorylation on Thr-232.
細胞内局在	Nucleus.

画像



Western blot - Anti-c-Fos (phospho T325) antibody (ab103604)

All lanes : Anti-c-Fos (phospho T325) antibody (ab103604) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

Lane 3 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 4 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 5 : HeLa (Human epithelial carcinoma cell line) Whole Cell

Lysate with Immunising peptide at 1 µg/ml
Lane 6 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate with Immunising peptide at 1 µg/ml
Lane 7 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate with Immunising peptide at 1 µg/ml
Lane 8 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate with Immunising peptide at 1 µg/ml
Lane 9 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate with Non modified peptide at 1 µg/ml
Lane 10 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate with Non modified peptide at 1 µg/ml
Lane 11 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate with Non modified peptide at 1 µg/ml
Lane 12 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate with Non modified peptide at 1 µg/ml

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 41 kDa
Observed band size: 55 kDa
why is the actual band size different from the predicted?
Additional bands at: 105 kDa, 28 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 12 minutes

The predicted molecular weight of c-Fos is 41 kDa (SwissProt), however we expect to observe a banding pattern between 55 and 60 kDa. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.

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