

Product datasheet

Anti-c-Fos antibody ab429

★★★★☆ 1 Abreviews 1 References 1 图像

概述

产品名称	Anti-c-Fos抗体
描述	兔多克隆抗体to c-Fos
宿主	Rabbit
经测试应用	适用于: WB, EMSA
种属反应性	与反应: Chicken 预测可用于: Bird
免疫原	Fusion protein.

性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: None Constituents: Whole Serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab429** in the following tested applications.

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

应用	Ab评论	说明
WB	★★★★☆	1/200 - 1/5000. Predicted molecular weight: 41 kDa.
EMSA		Use at an assay dependent dilution.

靶标

功能

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 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.

序列相似性

Belongs to the bZIP family. Fos subfamily.
Contains 1 bZIP domain.

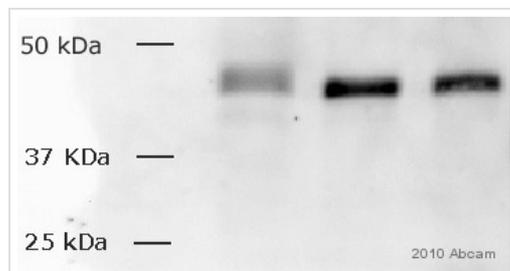
翻译后修饰

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.

细胞定位

Nucleus.

图片



Western blot - c-Fos antibody (ab429)

This image is courtesy of an anonymous Abreview

Anti-c-Fos antibody (ab429) at 1/500 dilution
+ Whole cell lysate of chicken embryonic fibroblasts at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab6721) at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 41 kDa

Exposure time: 1 minute

Blocking Step: 5% BSA for 1 hour at 23°C

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