abcam

Product datasheet

Anti-c-Jun (phospho T91 + T93) antibody [C-J 4C4] ab13671

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概述

产品名称	Anti-c-Jun (phospho T91 + T93)**抗体**[C-J 4C4]
描述	**小鼠单克隆抗体**[C-J 4C4] to c-Jun (phospho T91 + T93)
经测试应用	**适用于:** IHC-P, WB, ICC/IF
种属反应性	**与反应:** Rat, Human
免疫原	c-Jun protein phosphorylated at T91 and T93.
阳性对照	This antibody gave a positive result in IHC in the following FFPE tissue: Human normal lung.

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: PBS
纯度	Immunogen affinity purified
克隆	单克隆
克隆编号	C-J 4C4
同种型	IgG1

应用

Our Abpromise guarantee covers the use of **ab13671** in the following tested applications.

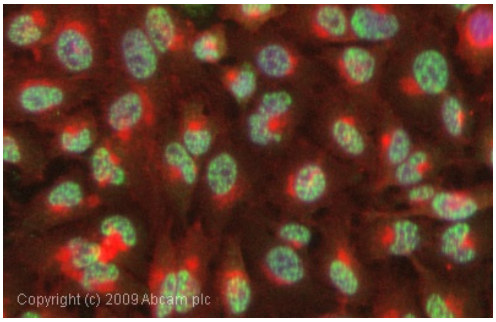
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		Use a concentration of 5 µg/ml.
WB		Use at an assay dependent concentration. Predicted molecular weight: 36 kDa.
ICC/IF		Use a concentration of 1 µg/ml.

靶标

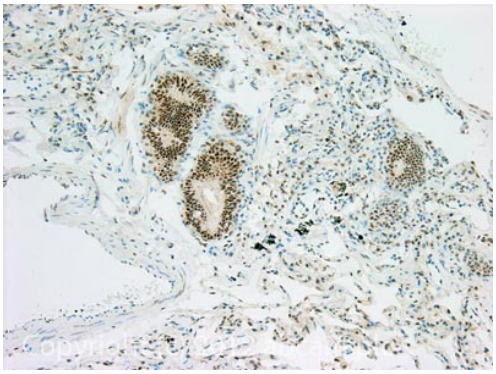
功能	Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:24623306). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:24623306).
序列相似性	Belongs to the bZIP family. Jun subfamily. Contains 1 bZIP (basic-leucine zipper) domain.
翻译后修饰	Ubiquitinated by the SCF(FBXW7), leading to its degradation. Ubiquitination takes place following phosphorylation, that promotes interaction with FBXW7. Phosphorylated by CaMK4 and PRKDC; phosphorylation enhances the transcriptional activity. Phosphorylated by HIPK3. Phosphorylated by DYRK2 at Ser-243; this primes the protein for subsequent phosphorylation by GSK3B at Thr-239. Phosphorylated at Thr-239, Ser-243 and Ser-249 by GSK3B; phosphorylation reduces its ability to bind DNA. Phosphorylated by PAK2 at Thr-2, Thr-8, Thr-89, Thr-93 and Thr-286 thereby promoting JUN-mediated cell proliferation and transformation. Phosphorylated by PLK3 following hypoxia or UV irradiation, leading to increase DNA-binding activity. Acetylated at Lys-271 by EP300.
细胞定位	Nucleus.

Anti-c-Jun (phospho T91 + T93) antibody [C-J 4C4] 图像



Immunocytochemistry/ Immunofluorescence-c-Jun (phospho T91 + T93) antibody [C-J 4C4](ab13671)

ICC/IF image of ab13617 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab13617, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-c-Jun (phospho T91 + T93) antibody [C-J 4C4] (ab13671)

IHC image of c-Jun (phospho T91 + T93) staining in Human normal lung formalin fixed paraffin embedded tissue section, performed on a Leica BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab13671, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.