



Anti-c-Jun antibody ab131497

[2 References](#) [3 Images](#)

Overview

Product name	Anti-c-Jun antibody
Description	Rabbit polyclonal to c-Jun
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide from around amino acids 88-93 (TTTPT) of Human c-Jun (NP_002219.1)  Run BLAST with  Run BLAST with
Positive control	HeLa cells, 293T cell lysate, Human breast carcinoma tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 0.88% Sodium chloride, 50% Glycerol (glycerin, glycerine) PBS without Mg ²⁺ and Ca ²⁺
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab131497 in the following tested applications.

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

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 35 kDa.
IHC-P		1/50 - 1/100.
ICC/IF		1/100 - 1/200.

Target

Function

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).

Sequence similarities

Belongs to the bZIP family. Jun subfamily.
Contains 1 bZIP (basic-leucine zipper) domain.

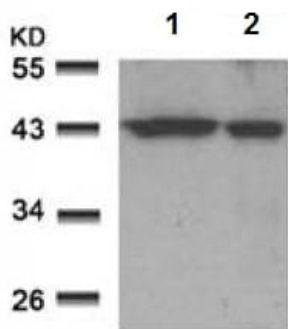
Post-translational modifications

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.

Cellular localization

Nucleus.

Images



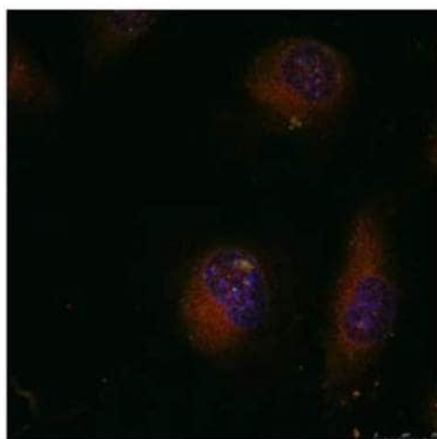
Western blot - Anti-c-Jun antibody (ab131497)

All lanes : Anti-c-Jun antibody (ab131497) at 1/500 dilution

Lane 1 : 293 cell extract

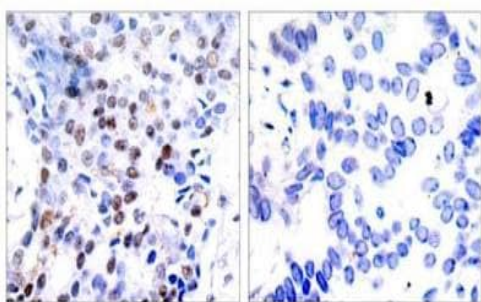
Lane 2 : HeLa cell extract

Predicted band size: 35 kDa



Immunocytochemistry/ Immunofluorescence - Anti-c-Jun antibody (ab131497)

Immunofluorescence analysis of methanol fixed HeLa cells labelled with ab131497 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-c-Jun antibody (ab131497)

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue using ab131497 at 1/50 dilution (left) and ab131497 preincubated with blocking peptide (right).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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