

Product datasheet

Anti-c-Jun (phospho T91) antibody [EPR2236] ab79756

Recombinant RabMAB

1 Image

Overview

Product name	Anti-c-Jun (phospho T91) antibody [EPR2236]
Description	Rabbit monoclonal [EPR2236] to c-Jun (phospho T91)
Host species	Rabbit
Specificity	only recognizes c-Jun phosphorylated at Threonine 91.
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) corresponding to Human c-Jun aa 50-150 (phospho T91). Database link: P05412
Positive control	3T3 cell lysate treated with Anisomycin
General notes	A trial size is available to purchase for this antibody.

Our RabMAB[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab[®] patents](#)

This product is a recombinant rabbit monoclonal antibody.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR2236
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab79756** 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		1/1000 - 1/2000. Predicted molecular weight: 36 kDa.
IP		1/20.

Target

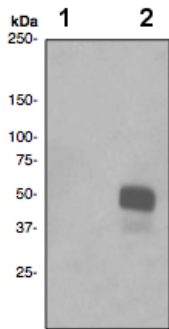
Function Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. Involved in activated KRAS-mediated transcriptional 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 (phospho T91) antibody
[EPR2236] (ab79756)

All lanes : Anti-c-Jun (phospho T91) antibody
[EPR2236] (ab79756) at 1/2000 dilution

Lane 1 : lysate from 3T3 cells

Lane 2 : lysate from 3T3 cells treated with
Anisomycin

Lysates/proteins at 10 µg per lane.

Predicted band size: 36 kDa

Observed band size: 50 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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