

Phospho-c-Jun (Ser73) Antibody

Rabbit Polyclonal Antibody Catalog # ABV10371

Specification

Phospho-c-Jun (Ser73) Antibody - Product Information

Application WB, IHC Primary Accession P05412

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 35676

Phospho-c-Jun (Ser73) Antibody - Additional Information

Gene ID 3725

Application & Usage Western blot analysis (1 μg/ml) and

Immunohistochemistry (10-20 μ g/ml). However, the optimal conditions should be determined individually. The Phospho-c-Jun (Ser73) antibody detects only activated c-Jun when phosphorylated at Ser73. It does not react with non-phosphorylated

c-Jun.

Other Names JUN, AP1, p39, c-Jun

Target/Specificity c-Jun, Phospho

Antibody Form Liquid

AppearanceColorless liquid

Formulation

 $100 \mu g$ (0.5 mg/ml) affinity-purified rabbit polyclonal phospho-c-Jun (Ser73) antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage -20 °C



Background Descriptions

Precautions

Phospho-c-Jun (Ser73) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-c-Jun (Ser73) Antibody - Protein Information

Name JUN

Function

Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed:10995748, PubMed:22083952). Heterodimerizes with proteins of the FOS family to form an AP-1 transcription complex, thereby enhancing its DNA binding activity to the AP-1 consensus sequence 5'-TGA[GC]TCA-3' and enhancing its transcriptional activity (By similarity). Together with FOSB, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (PubMed:12618758). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed: 17210646). 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).

Cellular Location

Nucleus.

Tissue Location

Expressed in the developing and adult prostate and prostate cancer cells.

Phospho-c-Jun (Ser73) Antibody - Protocols

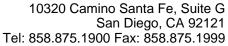
Provided below are standard protocols that you may find useful for product applications.

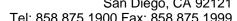
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Phospho-c-Jun (Ser73) Antibody - Images

Phospho-c-Jun (Ser73) Antibody - Background

c-Jun is a component of the transcription factor AP-1 that binds and activates transcription at TRE/AP-1 elements. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63







and Ser73. Extracellular signals, such as growth factors and UV irradiation, stimulate phosphorylation of c-Jun at Ser63/73 and activate c-Jun dependent transcription. The MAP kinase homologue, SAPK/JNK, binds to the N-terminal region of c-Jun and phosphorylates c-Jun at Ser63/73.