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Anti-c-Jun (pS63) Antibody

Rabbit polyclonal antibody to c-Jun (pS63)
Catalog # AP60576

Specification

Anti-c-Jun (pS63) Antibody - Product Information

Application	**WB**
Primary Accession	P05412
Other Accession	P05627
Reactivity	**Human, Mouse, Rat, Rabbit, Bovine, SARS**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**35676**

Anti-c-Jun (pS63) Antibody - Additional Information

Gene ID 3725

Other Names
Transcription factor AP-1; Activator protein 1; AP1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; p39

Target/Specificity
Recognizes endogenous levels of c-Jun (pS63) protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-c-Jun (pS63) 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:<a

href="http://www.uniprot.org/citations/12618758" target="_blank">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.

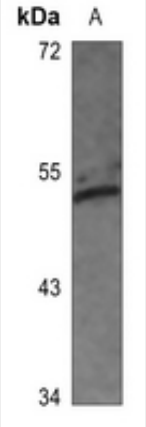
Tissue Location
Expressed in the developing and adult prostate and prostate cancer cells.

Anti-c-Jun (pS63) 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

Anti-c-Jun (pS63) Antibody - Images



Western blot analysis of c-Jun (pS63) expression in A549 (A) whole cell lysates.

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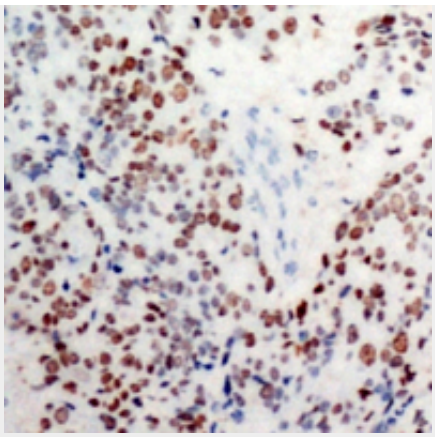

Immunohistochemical analysis of c-Jun (pS63) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and 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.

Anti-c-Jun (pS63) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human c-Jun. The exact sequence is proprietary.