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Phospho-c-Jun (S63) Antibody

Rabbit mAb
Catalog # AP91008

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P05412
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	AH119; AP1; Activator protein 1; Jun A; c-Jun;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	35676

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Phospho-c-Jun (S63)
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

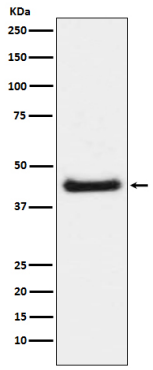
Protein Information

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.

Images



Western blot analysis of c-Jun phosphorylation expression in NIH/3T3 cell lysate treated with Anisomycin.

Image not found : 202311/AP91008-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human breast carcinoma, using Phospho-c-Jun (S63) Antibody.

Image not found : 202311/AP91008-IF.jpg

Immunofluorescent analysis of HeLa cells treated with anisomycin, using Phospho-c-Jun (S63) Antibody.