ARG54081
anti-c-Jun antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Jun
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	c-Jun
Species	Human
Immunogen	Purified recombinant human c-JUN protein fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	AP1; AP-1; Transcription factor AP-1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; p39; Activator protein 1; c-Jun

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

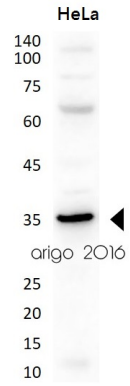
Properties

Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	3 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

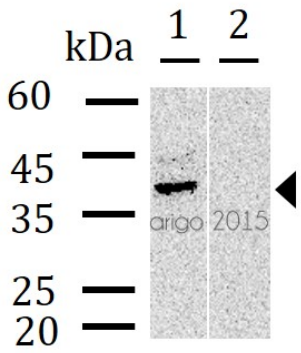
Database links	GeneID: 3725 Human Swiss-port # P05412 Human
Gene Symbol	JUN
Gene Full Name	jun proto-oncogene
Background	Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'.Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation.
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. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30265 AP-1 early response transcription factor Antibody Duo (c-Jun, c-Fos) Related products: c-Jun antibodies; c-Jun Duos / Panels; Anti-Mouse IgG secondary antibodies;
Research Area	Cancer antibody; Gene Regulation antibody; Immune System antibody; Signaling Transduction antibody; AP-1 early response transcription factor study antibody
Calculated Mw	36 kDa
PTM	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



ARG54081 anti-c-Jun antibody WB image

Western blot: 30 µg of HeLa cell lysate stained with ARG54081 anti-c-Jun antibody at 1:1000 dilution



ARG54081 anti-c-Jun antibody WB image

Western blot: 30 µg of 1) HeLa, and 2) Jurkat (negative control) cell lysates stained with ARG54081 anti-c-Jun antibody at 1:1000 dilution.