

Anti-Phospho-JUN (Ser63) Antibody (9N875)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9N875
Purification:	Affinity-chromatography

Applications

Verified Activity:	<ol style="list-style-type: none">Western Blot<ul style="list-style-type: none">-Positive WB detected in: Hela whole cell lysate, A549 whole cell lysate(treated with Calyculin A or EGF)-All lanes: Phospho-JUN antibody at 0.95µg/ml-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 48 KDa-Observed band size: 48 KDaIHC image of TMAH-00914 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.Immunofluorescence staining of A549 cells with TMAH-00914 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).
Application:	ELISA, WB, IHC, IF
Recommended	WB:1:500-1:5000; IHC:1:50-1:200; IF:1:20-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: A synthetic peptide: Human Phospho-JUN (S63)
Antigen Species: Human
Gene ID: 3725
Uniprot ID: P05412
Synonyms: p-JUN (S63);Phospho-JUN (S63);JUN (p-Ser63);JUN (p-S63);p-JUN (Ser63)
Biology Area: Epigenetics and Nuclear Signaling

Research 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. Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells. Binds to the USP28 promoter in colorectal cancer (CRC) cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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