

Rabbit anti-Human, Mouse c-Jun-Ser73 Antibody | anti-Jun antibody

Phospho-c-Jun-Ser73 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36766	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

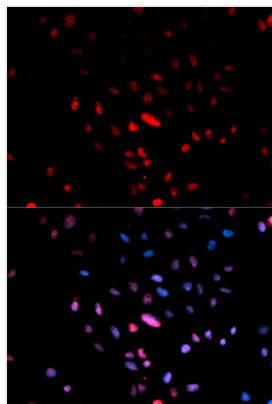
PRODUCT SYNONYMS

c-Jun-Ser73; Phospho-c-Jun-Ser73 Polyclonal Antibody; Phospho-Jun-S73: AP1; AP-1; c-Jun; JUN; anti-Jun antibody

PRODUCT SPECIFICATIONS

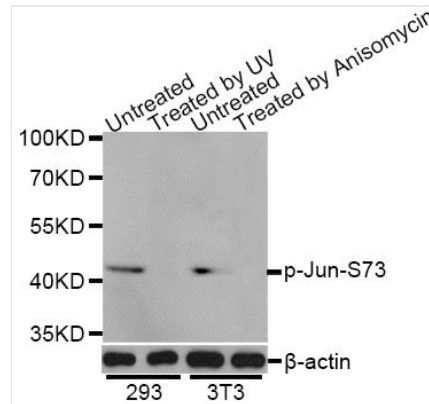
Host	Rabbit
Reactivity	Human, Mouse
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	331
Applicable Applications for anti-Jun antibody	IF (Immunofluorescence), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding Ser73 of human c-Jun
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Phospho-Jun-S73 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of 293 and NIH/3T3 cells, using Phospho-Jun-S73 antibody at 1:1000 dilution. 293 cells were treated by UV for 15-30 minutes. NIH/3T3 cells were treated by Anisomycin (25ug/ml) for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 5min.

ADDITIONAL INFORMATION

Related Product Information for anti-Jun antibody	c-Jun is a member of the Jun Family containing c-Jun, JunB and JunD, and is a component of the transcription factor AP-1 (activator protein-1). AP-1 is composed of dimers of Fos, Jun and ATF family members and binds to and activates transcription at TRE/AP-1 elements (reviewed in 1). Extracellular signals including growth factors, chemokines and stress activate AP-1-dependent transcription. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73 through SAPK/JNK (reviewed in 2). Knock-out studies in mice have shown that c-Jun is essential for embryogenesis (3), and subsequent studies have demonstrated roles for c-Jun in various tissues and developmental processes including axon regeneration (4), liver regeneration (5) and T cell development (6). AP-1 regulated genes exert diverse biological functions including cell proliferation, differentiation, and apoptosis, as well as transformation, invasion and metastasis, depending on cell type and context (7-9). Other target genes regulate survival as well as hypoxia and angiogenesis (8,10). c-Jun has emerged as a promising therapeutic target for cancer, vascular remodeling, acute inflammation, as well as rheumatoid arthritis (11,12).
Product Categories/Family for anti-Jun antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	135298
NCBI GeneID	3725
UniProt Accession #	P05412; Q6FHM7; Q96G93
Molecular Weight	331
NCBI Official Full Name	Transcription factor AP-1
NCBI Official Synonym Full Names	jun proto-oncogene
NCBI Official Symbol	JUN
NCBI Official Synonym Symbols	AP1; AP-1; c-Jun
NCBI Protein Information	transcription factor AP-1; p39; jun oncogene; activator protein 1; proto-oncogene c-Jun; enhancer-binding protein AP1; Jun activation domain binding protein; v-jun sarcoma virus 17 oncogene homolog; v-jun avian sarcoma virus 17 oncogene homolog
UniProt Protein Name	Transcription factor AP-1
UniProt Gene Name	JUN
UniProt Synonym Gene Names	AP1
UniProt Entry Name	JUN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.