SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-JUN Polyclonal Antibody

Catalog Number: SLA0150

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	3725
SWISS:	P05412
Target:	JUN
Immunogen:	Recombinant human C-jun protein
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt (1ug/Test) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	36 kDa
Subcellular Location:	Nucleus
Background:	C-jun (Oncoprotein C-jun) is a component of the transcription factor AP-1 that binds and activates transcription at TRE/AP-1 elements and appears to be a major downstream target of the SAPK/JNK signaling pathway. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73. Extracellular signals including growth factors, transforming oncoproteins and UV irradiation stimulate phosphorylation of c-Jun at Ser63/73 and activate c-Jun dependent transcription. Mutation of Ser63/73 renders c-Jun nonresponsive to mitogenic and stress induced signaling pathways. The MAP kinase homologue, SAPK/JNK, binds to the N-terminal region of c-Jun and phosphorylates c-Jun at Ser63/73. In addition, the activity of SAPK/JNK is stimulated by the same signals that activate c-Jun.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

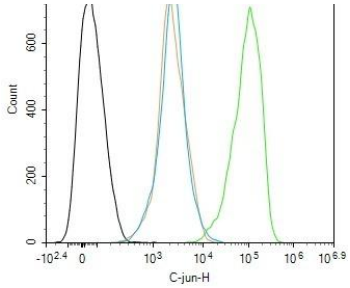


Figure 1. Blank control (black line) :Hela. Primary Antibody (green line): Rabbit Anti-C-jun antibody (SLA0150) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-BF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20℃, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature.Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed

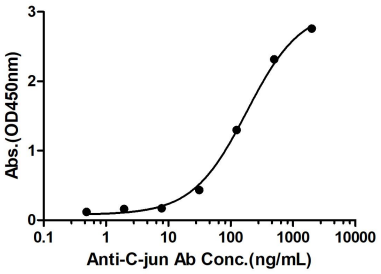


Figure 2. Measured by its binding ability in a indirect ELISA. Immobilized Human C-jun protein, His & MBP Tag (Cat. SL42049P) at 2 μg/mL (100 μL/well) can bind Rabbit Anti-Human C-jun Antibody, the EC50 is 180.9 ng/mL

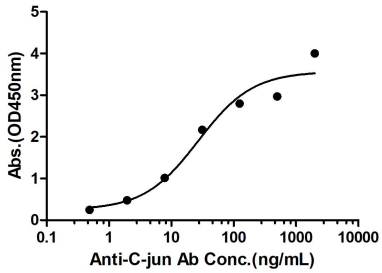


Figure 3. Measured by its binding ability in a indirect ELISA. Immobilized Human C-jun protein, His & MBP Tag (Cat. SL42049P) at 2 μg/mL (100 μL/well) can bind Rabbit Anti-Human C-jun Antibody, the EC50 is 27.15 ng/mL

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