For Research Use Only

AP1,JUN,P39 Polyclonal antibody

Catalog Number:10024-2-AP Featured Product 32 Publications

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Basic Information

Catalog Number:
10024-2-AP

Size:
150ul , Concentration: 293 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC002646

GeneID (NCBI):
3725

Full Name:
jun oncogene

Calculated MW:
331 aa, 36 kDa

Observed MW:
36 kDa, 40-45 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

Background Information

JUN is also named as c-Jun and AP1, belongs to the bZIP family and Jun subfamily. JUN, the most extensively studied protein of the activator protein-1 (AP-1) complex, is involved in numerous cell activities, such as proliferation, apoptosis, survival, tumorigenesis and tissue morphogenesis[PMID: 22180088]. JUN is a transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. It promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. JUN is a basic leucine zipper (bZIP) transcription factor that acts as homo- or heterodimer, binding to DNA and regulating gene transcription[PMID: 9732876]. In additon, extracellular signals can induce post-translational modifications of JUN, resulting in altered transcriptional activity and target gene expression[PMID:8464713]. More over, it has uncovered multiple layers of a complex regulatory scheme in which JUN is able to crosstalk, amplify and integrate different signals for tissue development and disease. Jun is predominantly nuclear, ubiquitinated Jun colocalizes with lysosomal proteins[PMID: 15469925]. This antibody is a rabbit polyclonal antibody raised against a region of human JUN. Both phosphorylated (p-c-Jun) and unphosphorylated forms of c-Jun, with sizes of 42-45 kDa and 36-39 kDa, respectively are obtain in some experiments. (PMID: 17210646)

Notable Publications

Author	Pubmed ID	Journal	Application
Xufeng Tao	25083618	Transplantation	WB
Thomas W Hanigan	28943357	Cell Chem Biol	WB
Siyuan Chen	30224386	J Exp Med	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data