# JunD(Phospho-S255) Rabbit mAb

Catalog No: #13422

Package Size: #13422-1 50ul #13422-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

| | |
|---|---|
| Product Name | JunD(Phospho-S255) Rabbit mAb |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Clone No. | JJ08-21 |
| Purification | ProA affinity purified |
| Applications | WB, ICC/IF, IHC |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | Synthetic phospho-peptide corresponding to residues surrounding Ser255 of human JunD. |
| Conjugates | Unconjugated |
| Other Names | Activator protein 1 antibody AP 1 antibody AP1 antibody Jun D antibody jun D proto oncogene antibody Jund antibody JunD FL isoform antibody JUND_HUMAN antibody Transcription factor jun D antibody Transcription factor jun-D antibody |
| Accession No. | Swiss-Prot#:P17535 |
| Calculated MW | Predicted band size: 38 kDa |
| SDS-PAGE MW | Observed band size: 42 kDa |
| Formulation | Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

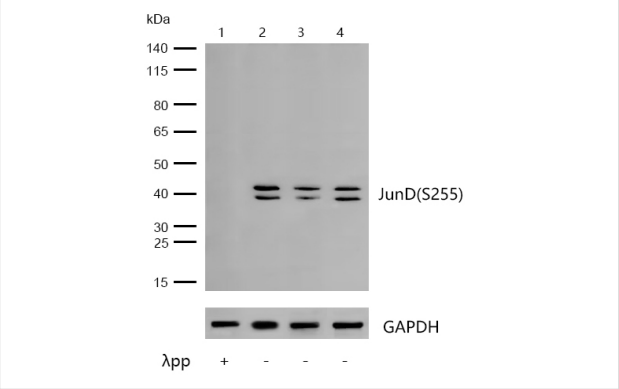
## Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

## Images




All lanes : JunD(Phospho-S255) Rabbit mAb at 1/1000 dilution

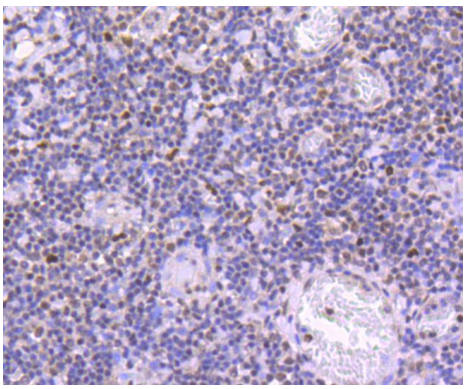
Lane 1 : Hela whole cell lysates treated with λpp for 1 hour
Lane 2 : Hela whole cell lysates
Lane 3 : PC12 whole cell lysates
Lane 4 : NIH/3T3 whole cell lysates

Lysates/proteins at 20 µg per lane.

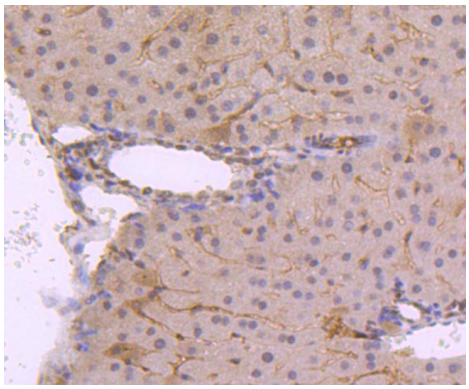
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 38 kDa
Observed band size: 42 kDa

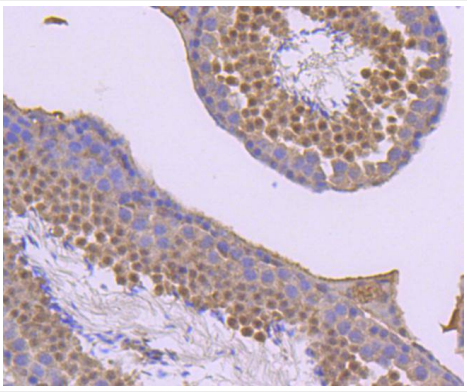
Exposure time: 12 seconds



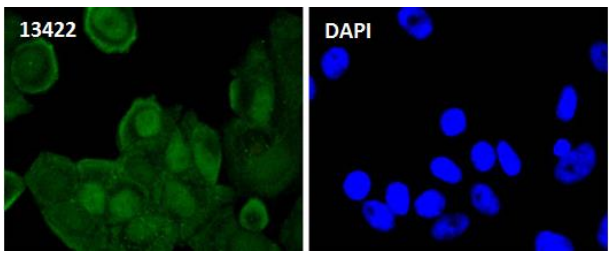
Formalin-fixed, paraffin-embedded human tonsil tissue stained for JunD (Phospho-S255) using 13422 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded mouse liver tissue stained for JunD (Phospho-S255) using 13422 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded mouse testis tissue stained for JunD (Phospho-S255) using 13422 at 1/100 dilution in immunohistochemical analysis.




Immunocytochemistry/ Immunofluorescence JunD (Phospho-S255) antibody (13422)
ICC/IF staining of JunD(Phospho-S255) in MCF7 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
Samples were incubated with 13422 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.
Nuclei were counterstained with DAPI.

## Background

The activator protein-1 (AP-1) transcription factor consists of either Jun/Jun homodimers or Fos/Jun heterodimeric complexes. Homo- and heterodimers bind to the TGACTCA consensus sequence present in numerous promoters and initially identified as the phorbol ester tumor promoter response element (TRE). Jun B and Jun D have been shown to be almost identical to c-Jun in their C-terminal regions, which are involved in dimerization and DNA binding, whereas their N-terminal domains, which are involved in transcriptional activation, diverge. All three form heterodimers among themselves and with c-Fos and other members of the Fos gene family. Studies suggest that the two forms of Jun D may be due to internal initiation of translation.

## References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.