

AP0530

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# Phospho-Jak1-Y1034/Y1035 Rabbit pAb

Catalog No.: AP0530

15 Publications

## Basic Information

### Observed MW

130kDa

### Calculated MW

133kDa

### Category

Polyclonal Antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human,Mouse

## Background

This gene encodes a membrane protein that is a member of a class of protein-tyrosine kinases (PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. The encoded kinase phosphorylates STAT proteins (signal transducers and activators of transcription) and plays a key role in interferon-alpha/beta, interferon-gamma, and cytokine signal transduction. This gene plays a crucial role in effecting the expression of genes that mediate inflammation, epithelial remodeling, and metastatic cancer progression. This gene is a key component of the interleukin-6 (IL-6)/JAK1/STAT3 immune and inflammation response and is a therapeutic target for alleviating cytokine storms. The kinase activity of this gene is directly inhibited by the suppressor of cytokine signalling 1 (SOCS1) protein. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

3716

### Swiss Prot

P23458

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

JTK3; AIIIDE; JAK1A; JAK1B; Phospho-Jak1-Y1034/1035

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

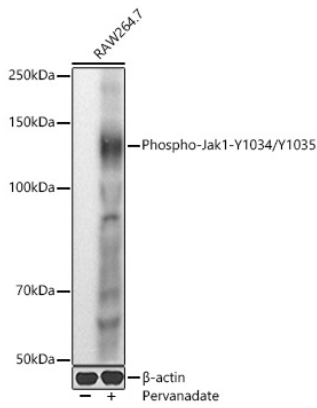
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from RAW264.7 cells, using Phospho-Jak1-Y1034/Y1035 Rabbit pAb (AP0530) at 1:1000 dilution. RAW264.7 cells were treated with Pervanadate (1 mM) at 37°C for 30 minutes.

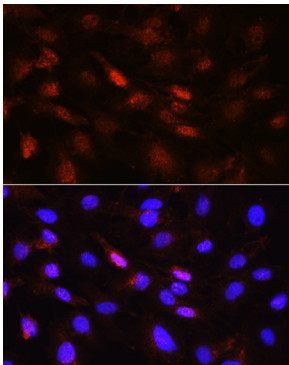
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunofluorescence analysis of NIH/3T3 cells using Phospho-Jak1-Y1034/Y1035 Rabbit pAb (AP0530) at dilution of 1:100. Blue: DAPI for nuclear staining.