

A0715

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# JAK1 Rabbit pAb

Catalog No.: A0715

2 Publications

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

133kDa

### Category

Mouse Monoclonal Antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human

## 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

## Immunogen Information

### Gene ID

3716

### Swiss Prot

P23458

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 750-850 of human JAK1 (NP\_001307852.1).

### Synonyms

JTK3; AIIDE; JAK1A; JAK1B; JAK1

## 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 with 0.01% thimerosal, 50% glycerol, pH 7.3.