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JAK1

Reactivity: Human

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:1000

Calculated MW:130kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human JAK1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

o

Synonym:

JTK3; JAK1A; JAK1B;

Catalog #:A5534

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:3716

Isotype: IgG

Swiss Prot:P23458

Purity: Affinity purification

For research use only.

Background:

Janus kinase 1 (JAK1), is a member of a new class of protein-tyrosine kinases (PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. The second phosphotransferase domain bears all the hallmarks of a protein kinase, although its structure differs significantly from that of the PTK and threonine/serine kinase family members. JAK1 is a large, widely expressed membrane-associated phosphoprotein. JAK1 is involved in the interferon-alpha/beta and -gamma signal transduction pathways. The reciprocal interdependence between JAK1 and TYK2 activities in the interferon-alpha pathway, and between JAK1 and JAK2 in the interferon-gamma pathway, may reflect a requirement for these kinases in the correct assembly of interferon receptor complexes. These kinases couple cytokine ligand binding to tyrosine phosphorylation of various known signaling proteins and of a unique family of transcription factors termed the signal transducers and activators of transcription, or STATs.

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