



JAK3 Mouse Monoclonal Antibody

E10-20400

Background: JAK3, Janus kinase 3. It is a member of the Janus kinase (JAK) family of tyrosine kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe combined immunodeficiency disease).

Catalog Number: E10-20400

Amount: 100µg/100µl

Clone Number: 5H2

Species: Mouse IgG1

MW: 125kDa

Aliases: JAKL; LJAK

Entrez Gene: 3718

Immunogen: Purified recombinant fragment of human JAK3 expressed in E. Coli.

Storage: Store at 4 °C for long term storage, store at -20 °C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Mouse

Tested Applications: WB,IF,FC,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB 1/500 - 1/2000,IF 1/200 - 1/1000,FC 1/200 - 1/400,ELISA..ELISA. Propose dilution 1/10000.

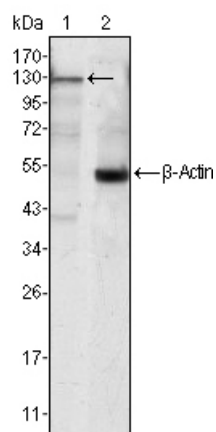


Figure 1. Western blot analysis using JAK3 mouse mAb against Jurkat cell lysate (1).

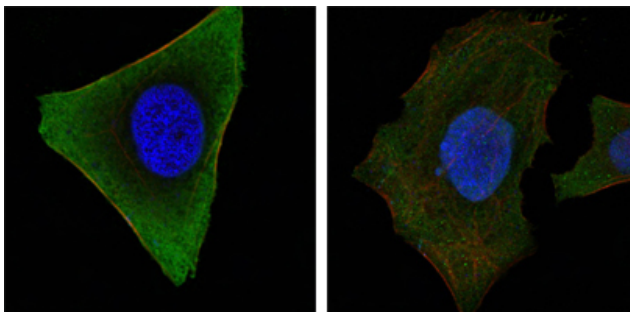


Figure 2. Confocal immunofluorescence analysis of Hela (left) and HepG2 (right) cells using JAK3 mouse mAb (green). Red. Actin filaments have been labeled with DY-554 phalloidin. Blue. DRAQ5 fluorescent DNA dye.

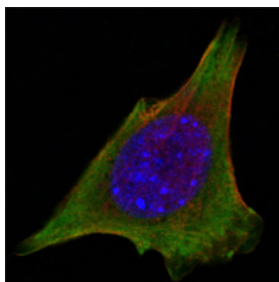


Figure 3. Confocal immunofluorescence analysis of 3T3-L1 cells using JAK3 mouse mAb (green). Red. Actin filaments have been labeled with DY-554 phalloidin. Blue. DRAQ5 fluorescent DNA dye.

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