
Anti-Jak 3

Cat #: HM1205
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Jak3 (Janus kinase 3) belongs to the family of non-receptor janus tyrosine kinases, which regulate a spectrum of cellular functions downstream of activated cytokine receptors in the lympho-hematopoietic system. Jak3 functions in signal transduction and interacts with members of the STAT (signal transduction and activators of transcription) family. Jak3 is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations that abrogate Janus kinase 3 function cause an autosomal SCID (severe combined immunodeficiency disease).

SPECIFICITY

This antibody specifically recognizes Jak3 of human, mouse and rat origin and can be used in Western blotting, immunoprecipitation and immunostaining.

Recommended dilution for Western blotting: 1:1000.

Molecular Weight of Jak3: 120 kDa.

Western blotting positive control: HeLa cell lysate.

IMMUNOGEN

Recombinant human Jak3 protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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