
Anti-Jak 1

Cat #: HM1203
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Jak1 (Janus kinase 1) belongs to the family of non-receptor janus tyrosine kinases, which regulate a spectrum of cellular functions downstream of activated cytokine receptors in the lymphohematopoietic system. Jak1 is involved in the interferon-alpha/beta and -gamma signal transduction pathways. Stimuli, such as interferons and cytokines, induce recruitment of STAT transcription factors to cytokine receptor-associated Jak1. Jak1 then phosphorylates proximal STAT factors, which subsequently dimerize, translocate to the nucleus and bind to cis elements upstream of target gene promoters to regulate transcription.

SPECIFICITY

This antibody specifically recognizes Jak1 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 Jak1: 130 kDa.
Western blotting positive control: A-431 cell lysate.

IMMUNOGEN

Recombinant human Jak1 protein.

STORAGE

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

REFERENCES

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