

anti-Stat5b

Cat #: HM1359
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Stats (signal transducers and activators of transcription) are transcription factors activated by peptide hormones, growth factors and cytokines, particularly interferons. STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. STAT5 is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis.

SPECIFICITY

This antibody recognizes Stat5b of human, mouse and rat origin. It also reacts with Stat5a.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

Recombinant protein corresponding to the Carboxyl-terminal human Stat5b protein.

STORAGE

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

REFERENCES

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