
anti-p-Stat3

Cat #: HM1356
Mouse monoclonal 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. STAT3 is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. It mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis.

SPECIFICITY

This antibody reacts specifically with Tyr-705 phosphorylated Stat3 of mouse, rat and human origin by Western blotting, immunoprecipitation, and immunohistochemistry

Molecular Weight of p-Stat3: 92 kDa.

IMMUNOGEN

A peptide corresponding to amino acid sequence containing phosphorylated Tyr-705 of human Stat3.

STORAGE

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

REFERENCES

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