

**anti-gp 130**

Cat #: HM1165  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

gp130 is a part of the cytokine receptor complex. It is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). The activation of this protein is dependent upon the binding of cytokines to their receptors. For example, IL-6 first binds to IL-6R which subsequently associates with a gp130 dimer. The active signaling complex consists of at minimum IL-6, IL-6R and a dimer of two gp130 proteins that are linked by a disulfide bond. Knockout studies in mice suggested a critical role of gp130 in regulating myocyte apoptosis.

**SPECIFICITY**

This antibody specifically reacts with gp 130 of human, mouse and rat origin.

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

Molecular Weight gp 130: 130 kDa  
Western blotting positive controls: HeLa

**IMMUNOGEN**

A synthetic peptide derived from N-terminus of human gp 130 protein.

**STORAGE**

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

**REFERENCES**

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