

## **STAT5a antibody**

**3014-1A**

### **Applications**

Western blot

### **Species cross reactivity**

Human, Mouse, Rat, Hamster

### **Molecular weight**

90 kDa

### **Background**

A variety of cytokines and growth factors use the JAK-STAT (Signal transducers and activators of transcription) signalling pathway to transmit extracellular signals to the nucleus. STATs are transcriptional factors that are phosphorylated and activated by JAK kinases or by receptor tyrosine kinases, resulting in the formation of homo- or heterodimers that translocate to the cell nucleus. STATs serve important functions in regulating cell survival, proliferation, and differentiation. STAT5 is activated by a wide range of cytokines such as interleukins, GM-CSF, erythropoietin, growth hormone and prolactin. Constitutive STAT5 activation is observed in leukaemias and many solid tumours.

### **NCBI protein accession number**

P42229

### **Source and purification**

Polyclonal antibodies are produced by immunizing sheep with a synthetic peptide (KLH-coupled), followed by affinity purification.

### **Storage and use**

100 µg supplied as lyophilised protein in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, and 0.05 % sodium azide. Store at 4 °C. Reconstitute in 100 µl of sterile water.

This product is for in vitro use only

### **Recommended antibody dilutions**

Western blotting                      2 µg/ml

*FOR RESEARCH USE ONLY*

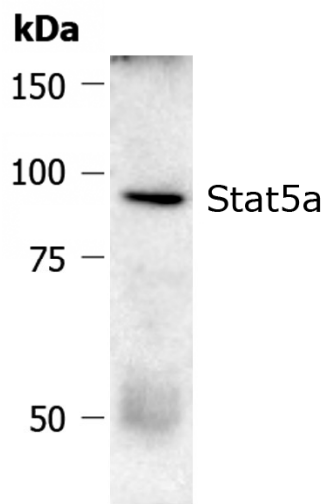
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Western blot analysis of extracts from CHO-IR cells.

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