

## PRODUCT DATA SHEET

**Product:** Anti-STAT6 pAb

**Cat. No.:** PC-432 (200  $\mu$ L)

**Synonyms:**

Anti-signal transducer and activator of transcription 2, anti-interferon alpha induced transcriptional activator.

**Background:**

STAT6 is a 94 kD member of the STAT (signal transducer and activator of transcription) protein family that is phosphorylated in response to cytokine receptor-associated kinase activity. Phosphorylation of STAT6 induces nuclear translocation to activate transcription. STAT6 is expressed in olfactory cells, bronchial epithelium, adrenal gland, B cells, mast cells, Wilm's tumors and some solid tumors. STAT6 forms homo- and heterotrimers and has been shown to be important in IL-4 mediated biological responses, the induction of Bcl-2 and Bcl-XL, and may also be involved in TH2 differentiation and immunoglobulin class switching. STAT6 is phosphorylated in response to IL-4, IL-13, IL-3 and has been shown to interact with nuclear co-activator 1 (NCOA1), the CREB binding SRC-1 protein, and p300/CBP.

**Immunogen:**

Peptide mapped to the carboxy-terminus of human STAT6.

**Molecular Weight of Antigen:**

94 kDa

**Host:**

Rabbit

**Specificity:**

Recognizes STAT6.

**Species Reactivity:**

Human, mouse and rat. Others not tested.

**Format:**

200  $\mu$ L containing rabbit IgG in PBS, pH 7.2, with 0.09% sodium azide and 50% glycerol and protein stabilizer. Purified by antigen-affinity chromatography.

**Storage:**

Store at -20°C.

**Application:**

- Western blot: Use at 10  $\mu$ L per 5 mL antibody dilution buffer for each mini-gel.

The optimal dilution for a specific application should be determined by the researcher.

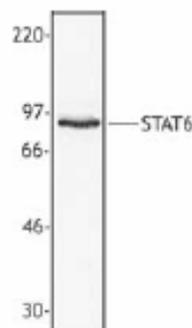


Figure: HeLa cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-STAT6 polyclonal antibody PC-432. Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.