

PRODUCT DATA SHEET

Product: Anti-STAT2 pAb

Cat. No.: PC-430 (200 µL)

Synonyms:

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

Background:

STAT2, a 113 kD member of the STAT (signal transducer and activators of transcription) protein family, is phosphorylated in response to interferon alpha receptor signaling by Janus kinase 1. Phosphorylation of STAT2 induces nuclear translocation to activate transcription. STAT2 is highly expressed in the skin and thymus. STAT2 forms complex with STAT1 and p48 to activate transcription and does not bind DNA directly. STAT 3 interacts with interferon regulatory factor 9, interferon alpha receptor, STAT1, p48, and CREB binding protein.

Immunogen:

Peptide mapped to the carboxy-terminus of human STAT2.

Molecular Weight of Antigen:

113 kDa

Host:

Rabbit

Specificity:

Recognizes STAT2.

Species Reactivity:

Human. Others not tested.

Format:

200 µL containing rabbit IgG in PBS, pH 7.2, with 0.09% sodium azide and 0.2% gelatin. Purified by antigen-affinity chromatography.

Storage:

Store at 4°C. Do not freeze.

Application:

- Immunoprecipitation
- Immunohistochemistry
- Western blot: Use at 10 µL per 5 mL antibody dilution buffer for each mini-gel.

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

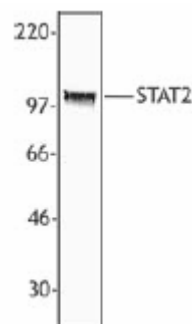


Figure: HeLa cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-STAT2 polyclonal antibody PC-430. Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system.

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.