



Rabbit anti STAT6 Polyclonal Antibody

Alternative Name(s): Signal transducer and activator of transcription 6 (STAT6)

Order Information

- **Description:** STAT6
- **Catalogue:** 500-4294
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB, IP
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide derived from internal sequence of STAT6 protein. This sequence is identical within human, mouse and rat origins.

BACKGROUND

STAT proteins (Signal transducer and activator of transcription) belong to a family of cytoplasmic transcription factors that can be phosphorylated by a ligand binding to its cell surface receptor. Activation by phosphorylation of STAT6 at tyrosine 641 upon the IL-4 (possibly IL-13) ligand binding to its receptor induces dimerization, nuclear translocation and DNA binding. STAT6 is widely expressed in human tissues. It exhibits elevated expression in peripheral blood lymphocytes, colon, intestine, ovary, prostate, thymus, spleen, kidney, liver, lung, and placenta. STAT6 mediates the IL-4 signal and is essential for the proper development of adaptive immunity.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes STAT6 protein. It reacts to human, mice and rat. The other species not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 95.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Western Blot: The cell lysate of HepG2 was immunoblotted by Rabbit anti STAT6 (Cat#500-4294) antibody at 1:500. Observed a major immunoreactive band at molecular weight ~95kDa.

REFERENCES

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