

Anti-Human /Mouse /Rat TYK2 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA03299**

3th Edition

Description: This gene encodes a member of the tyrosine kinase and, more specifically, the Janus kinases (JAKs) protein families. This protein associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits. It is also component of both the type I and type III interferon signaling pathways. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with hyperimmunoglobulin E syndrome (HIES) - a primary immunodeficiency characterized by elevated serum immunoglobulin E. TYK2 (Tyrosine Kinase 2) is a Protein Coding gene. Diseases associated with TYK2 include Immunodeficiency 35 and Primary Cutaneous Anaplastic Large Cell Lymphoma. Among its related pathways are Type I Interferon Signaling Pathways and Immune response IFN alpha/beta signaling pathway. GO annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is JAK1.

Antigen: Recombinant protein of human TYK2

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.