

**Anti-Human/Mouse/Monkey TYK2 Polyclonal Antibody****Polyclonal Antibody****Cat.NO.: PA06078**

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:** Synthesized peptide derived from human Tyk 2 around the non-phosphorylation site of Tyr1054.

**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.