

**Tyk 2 (Phospho Tyr292) rabbit pAb**

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| <b>Catalog No :</b>          | YP1617   |
| <b>Reactivity :</b>          | Human;Rat;Mouse;   |
| <b>Applications :</b>        | WB;ELISA   |
| <b>Target :</b>              | Tyk 2  |
| <b>Fields :</b>              | >>Necroptosis;>>Osteoclast differentiation;>>NOD-like receptor signaling pathway;>>JAK-STAT signaling pathway;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>Toxoplasmosis;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Influenza A;>>Human papillomavirus infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Coronavirus disease - COVID-19 |
| <b>Gene Name :</b>           | TYK2   |
| <b>Protein Name :</b>        | Tyk 2 (Phospho Tyr292)   |
| <b>Human Gene Id :</b>       | 7297   |
| <b>Human Swiss Prot No :</b> | P29597   |
| <b>Mouse Swiss Prot No :</b> | Q9R117   |
| <b>Immunogen :</b>           | Synthesized peptide derived from human Tyk 2 (Phospho Tyr292)  |
| <b>Specificity :</b>         | This antibody detects endogenous levels of Human Tyk 2 (Phospho Tyr292)  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG   |
| <b>Dilution :</b>            | WB 1:1000-2000 ELISA 1:5000-20000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  |

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| <b>Concentration :</b>     | 1 mg/ml   |
| <b>Storage Stability :</b> | -15°C to -25°C/1 year(Do not lower than -25°C)  |
| <b>Observed Band :</b>     | 130kD   |
| <b>Background :</b>        | <p>tyrosine kinase 2(TYK2) Homo sapiens 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. [provided by RefSeq, Jul 2008],</p>   |
| <b>Function :</b>          | <p>catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in TYK2 are the cause of protein-tyrosine kinase 2 deficiency (TYK2 deficiency) [MIM:611521]; also called autosomal recessive hyper-IgE syndrome (HIES) with atypical mycobacteriosis. The syndrome consists of a primary immunodeficiency characterized by recurrent skin abscesses, pneumonia, and highly elevated serum IgE.,domain:The FERM domain mediates interaction with JAKMIP1.,function:Probably involved in intracellular signal transduction by being involved in the initiation of type I IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain.,online information:TYK2 mutation db,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily.,similarity:Contains 1 FERM domain.,similarity:Contains 1 protein kinase domain.,similarity:Conta</p> |
| <b>Expression :</b>        | Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.  |
| <b>Sort :</b>              | 23790   |
| <b>No4 :</b>               | 1   |
| <b>Host :</b>              | Rabbit  |
| <b>Modifications :</b>     | Phospho   |

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