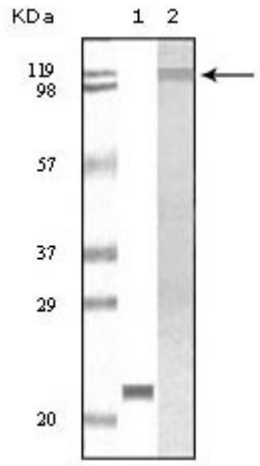
Tyk 2 Monoclonal Antibody

Catalog No	YP-Ab-14194
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	TYK2
Protein Name	Non-receptor tyrosine-protein kinase TYK2
Immunogen	Purified recombinant fragment of Tyk 2 expressed in E. Coli.
Specificity	Tyk 2 Monoclonal Antibody detects endogenous levels of Tyk 2 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TYK2; Non-receptor tyrosine-protein kinase TYK2
Observed Band	
Cell Pathway	nucleus,cytoplasm,cytosol,cytoskeleton,membrane,extrinsic component of cytoplasmic side of plasma membrane,extracellular exosome,
Tissue Specificity	Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.
Function	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
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using Tyk 2 Monoclonal Antibody against truncated TYK2 recombinant protein (1) and Jurkat cell lysate(2).