

# TYK2(Phospho-Tyr1054/1055) Antibody

Catalog No: #11148

Package Size: #11148 100ul

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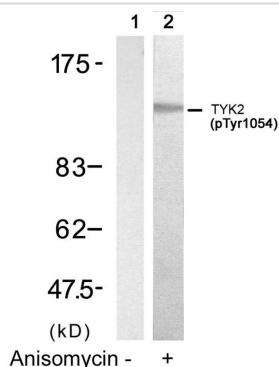
## Description

|                       |  |
|-----------------------|--|
| Product Name          | TYK2(Phospho-Tyr1054/1055) Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Isotype               | IgG  |
| Purification          | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                              |
| Applications          | WB   |
| Species Reactivity    | Human;Mouse;Rat  |
| Specificity           | This antibody detects endogenous levels of Tyk2 only when phosphorylated at Tyr1054 or tyr1055,and dually phosphorylated at two sites. |
| Immunogen Type        | Peptide-KLH  |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 1054 (H-E-Y(p)-Y-R) derived from Human TYK2.                                  |
| Conjugates            | Unconjugated   |
| Target Name           | TYK2   |
| Modification          | Phospho  |
| Other Names           | tyrosine kinase 2; JTK1;   |
| Accession No.         | Swiss-Prot: P29597NCBI Protein: NP_003322.3  |
| Concentration         | 1.0mg/ml   |
| Formulation           | phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.   |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.  |

## Application Details

WB 1:1000 - 1:2000

## Images



Western blot analysis of extracts from HT29 cells untreated(lane 1) or treated with Anisomycin(lane 2) using TYK2(Phospho-Tyr1054) Antibody #11148.

## Background

TYK2 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.

Zheng H, et al. (2005) Mol Cell Proteomics. 4(6):721-730.

Gauzzi MC, et al. (1996) J Biol Chem. 271(34): 20494-20500.

## Published Papers

el at., 6-Hydroxy-3-O-methyl-kaempferol 6-O-glucopyranoside Potentiates the Anti-Proliferative Effect of Interferon  $\delta\text{O}$  / $\epsilon^{\text{''}}\text{Y}$  by Promoting Activation of the JAK/STAT Signaling by Inhibiting SOCS3 in Hepatocellular Carcinoma Cells.In Toxicol Appl Pharmacol on 2017 Dec 1 by Orawan Wonganan, Yu-Jiao He,et al..PMID: 29031523, , (2017)

[PMID:29031523](#)

Ighodaro Igbe;XiaoFei Shen;Wei Jiao;Zhe Qiang;Teng Deng;Sheng Li;WanLi Liu;HanWei Liu;GuoLin Zhang;Fei Wang el at., Dietary quercetin potentiates the antiproliferative effect of interferon- $\alpha$  in hepatocellular carcinoma cells through activation of JAK/STAT pathway signaling by inhibition of SHP2 phosphatase, , (2017)

[PMID:29371942](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.