

## TYK2(Phospho-Tyr1054/1055) Antibody

Catalog No: #11148



Package Size: #11148 100ul

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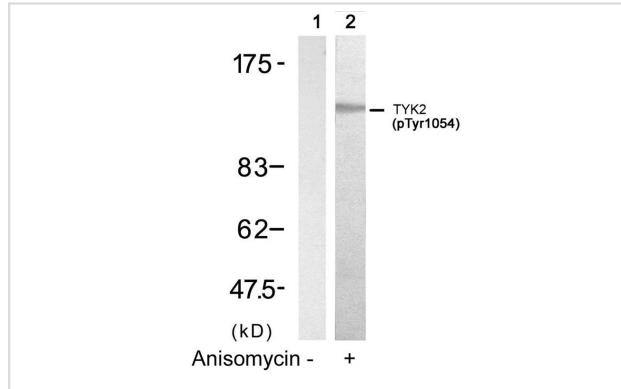
## Description

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  $\delta\text{O} / \epsilon\text{O}^Y$  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.