TYK2(Phospho-Tyr1054/1055) Antibody

Catalog No: #11148

Package Size: #11148 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

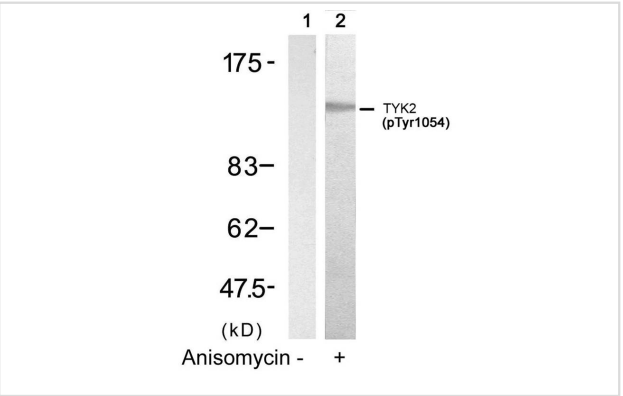
Description

Product Name	TYK2(Phospho-Tyr1054/1055) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
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	Synthesized phosho peptide around human Tyk2 (Tyr1054 and 1055)
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	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
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 ðO /ε˚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-α 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.