TYK2(Phospho-Tyr1054/1055) Antibody

Catalog No: #11148

Package Size: #11148 100ul



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

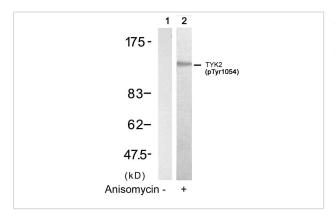
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Product Name	TYK2(Phospho-Tyr1054/1055) Antibody	
Host Species	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.	
Applications	WB	
Species 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	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 δΌ /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.