

TYK2(Phospho-Tyr1054) Antibody

Catalog No: #11148

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Description

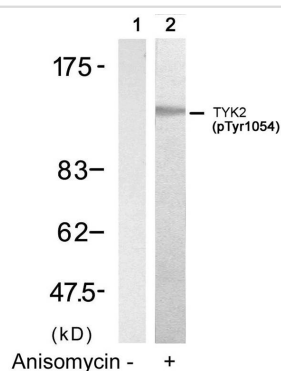
Product Name	TYK2(Phospho-Tyr1054) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of TYK2 only when phosphorylated at tyrosine 1054.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 1054 (H-E-Y(p)-Y-R) derived from Human TYK2.
Target Name	TYK2
Modification	Phospho
Other Names	tyrosine kinase 2; JTK1;
Accession No.	Swiss-Prot: P29597NCBI Protein: NP_003322.3
Uniprot	P29597
GeneID	7297;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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

Predicted MW: 140kd

Western blotting: 1:500~1:1000

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.

Note: This product is for in vitro research use only