

#11148

TYK2 (Phospho-Tyr1054) Antibody

Catalog: #11148-1 50µl **Orders:** order@signalwayantibody.com
#11148-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



Application	Species Reactivity	Source	Molecular Wt.
WB	Human Mouse	Rabbit Polyconal Ab	140KD

Description: 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.

Specificity: The antibody detects endogenous level of TYK2 only when phosphorylated at tyrosine 1054.

Immunogen: Peptide sequence around phosphorylation site of tyrosine 1054 (H-E-Y(p)-Y-R) derived from Human TYK2.

Formulation: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Synonyms: tyrosine kinase 2 JTK1

Accession No.: Swiss-Prot#: P29597 NCBI Gene#: 7297
NCBI Protein#: NP_003322.3

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.

References:

Zheng H, et al. (2005) Mol Cell Proteomics. 4(6):721-730.
Gauzzi MC, et al. (1996) J Biol Chem. 271(34): 20494-20500.

Citation:

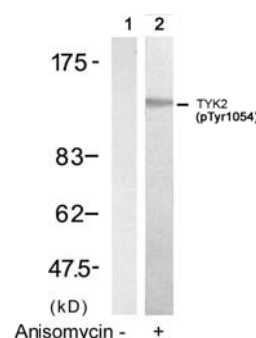
If you publish research using #11148 please [let us know](#).

Related Pathway: Jak/Stat, Cancer/Apoptosis, Kinase/Phosphatases

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Recommended Dilutions:

Western blotting 1:500~1:1000



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