



## TYK2 (Phospho-Tyr1054) Antibody

#11148

**Catalog Number:** 11148-1, 11148-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** P29597

**Form of Antibody:** Rabbit IgG in 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/Stability:** Store at -20°C/1 year

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human TYK2 around the phosphorylation site of tyrosine 1054 (H-E-Y<sub>P</sub>-Y-R).

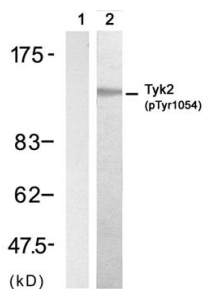
**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site

**Specificity/Sensitivity:** TYK2 (phospho-Tyr1054) antibody detects endogenous levels of TYK2 only when phosphorylated at tyrosine 1054

**Reactivity:** Human, Mouse

### Applications:

Predicted MW: 140 kd WB: 1:500~1:1000



Western blot analysis of extracts from HT-29 cells untreated or treated with Anisomycin (20min), using TYK2 (phospho-Tyr1054) antibody(#11148, Lane 1 and 2).

Anisomycin - +

**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.

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