

35-1468: Polyclonal Antibody to TYK2 (Ab-1054)

Clonality :	Polyclonal
Application :	IHC
Reactivity :	Human,Mouse,Rat
Gene :	TYK2
Gene ID :	7297
Uniprot ID :	P29597
Format :	Purified
Alternative Name :	tyrosine kinase 2, JTK1
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.1052~1056 (H-E-Y-Y-R) derived from Human TYK2.

Description

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.

Product Info

Amount :	50 µl / 100 µl
Content :	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 condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 140kd, Immunohistochemistry: 1:50~1:100

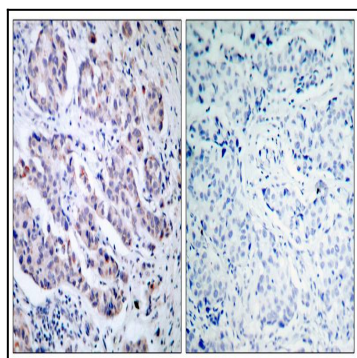


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using TYK2 (Ab-1054) Antibody 35-1468 (left) or the same antibody preincubated with blocking peptide(right).