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## 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 Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition:

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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

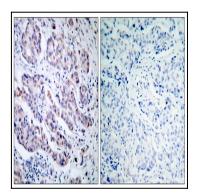


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using TYK2 (Ab-1054) Antibody 35-1468 (left) or the same antibody preincubated with blocking peptide(right).