

## TYK2(Ab-1054) Antibody

Catalog No: #21118

Package Size: #21118-1 50ul #21118-2 100ul #21118-4 25ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

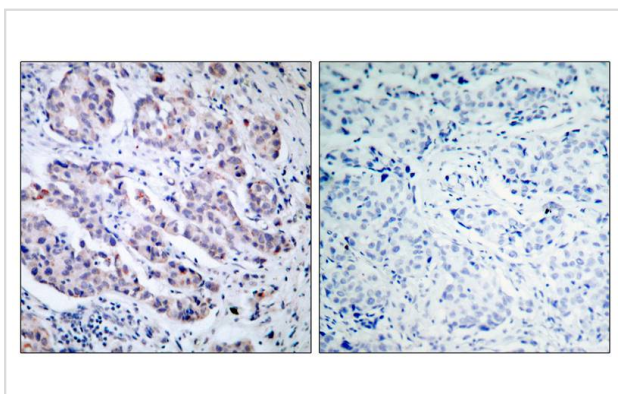
Product Name	TYK2(Ab-1054) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	IHC
Species Reactivity	Human Mouse Rat
Specificity	The antibody detects endogenous level of total TYK2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1052~1056 (H-E-Y-Y-R) derived from Human TYK2.
Target Name	TYK2
Other Names	tyrosine kinase 2; JTK1;
Accession No.	Swiss-Prot: P29597NCBI Protein: NP_003322.3
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

Predicted MW: 140kd

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using TYK2(Ab-1054) Antibody #21118(left) or the same antibody preincubated with blocking peptide(right).

## 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.