


# Anti-TYK2 antibody ab39550

[1 Abreviews](#) [2 References](#) [1 Image](#)

## Overview

<b>Product name</b>	Anti-TYK2 antibody
<b>Description</b>	Rabbit polyclonal to TYK2
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody detects endogenous levels of TYK2 protein around Tyrosine 1054.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic non-phosphopeptide derived from human TYK2 around the phosphorylation site of Tyrosine 1054.
<b>Positive control</b>	Human breast carcinoma tissue
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab39550 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

## Target

### Function

Probably involved in intracellular signal transduction by being involved in the initiation of type I IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain.

### Tissue specificity

Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.

### Involvement in disease

Defects in TYK2 are the cause of protein-tyrosine kinase 2 deficiency (TYK2 deficiency) [MIM:611521]; also known as autosomal recessive hyper-IgE syndrome (HIES) with atypical mycobacteriosis. TYK2 deficiency consists of a primary immunodeficiency characterized by recurrent skin abscesses, pneumonia, and highly elevated serum IgE.

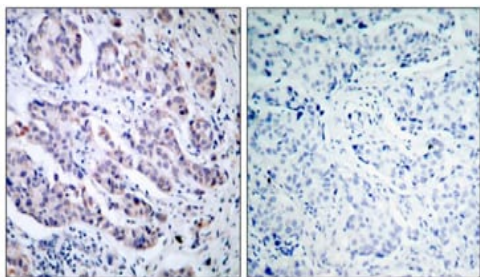
### Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily.  
Contains 1 FERM domain.  
Contains 1 protein kinase domain.  
Contains 1 SH2 domain.

### Domain

The FERM domain mediates interaction with JAKMIP1.

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma, using ab39550 (10-20µg/ml). Left: Untreated; Right: Treated with synthesized peptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TYK2 antibody (ab39550)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors