# **Elabscience**®

## **TYK2** Polyclonal Antibody

### catalog number: E-AB-93276

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human TYK2
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution

WB	1:500-1:2000
IF	1:50-1:200

#### Data



Western blot analysis of extracts of various cell lines using TYK2 Polyclonal Antibody at 1:500 dilution.

> Observed-MW:134 kDa Calculated-MW:133 kDa



Immunofluorescence analysis of MCF7 cells using TYK2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Polyclonal Antibody at dilution of 1:100 (40x lens). Blue:

DAPI for nuclear staining.

Immunofluorescence analysis of NIH/3T3 cells using TYK2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue:

DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using TYK2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

### For Research Use Only

Toll-free: 1-888-852-8623 Web:<u>w w .elabscience.com</u>

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Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

#### Background

This gene 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.

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