

Datasheet for 600-401-FT1**TYK2 Antibody****Overview**

Description:	Anti-TYK2 (RABBIT) Antibody - 600-401-FT1
Item No.:	600-401-FT1
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	TYK2 is a member of the Janus kinases (JAKs) protein families. TYK2 associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits and is also a 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.
Synonyms:	TYK2 Antibody, JTK1, Non-receptor tyrosine-protein kinase TYK2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TYK2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- TYK2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the N-terminus of human TYK2.

Purity/Specificity:	Anti-TYK2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of TYK2 are known to exist; this antibody only detects the two longest isoforms.
Relevant Links:	• UniProtKB - P29597 • GeneID - 7297 • NCBI - NP_003322.3

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-TYK2 Antibody has been tested for use in ELISA, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 134 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

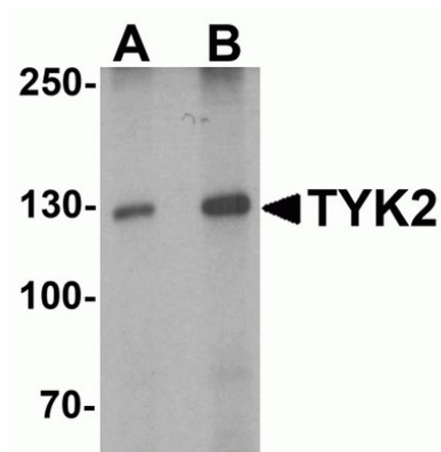
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

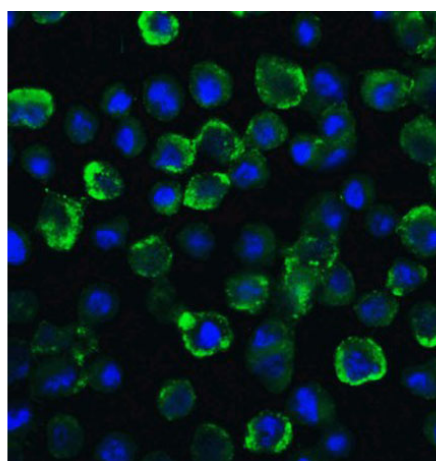


Western Blot

Western blot analysis of TYK2.

Load: human small intestine tissue lysate.

Primary Antibody: TYK2 antibody at (A) 1 and (B) 2 µg/mL.



Immunofluorescence Microscopy

Immunofluorescence of TYK2.

Cell: A549 cells.

Primary Antibody: TYK2 Antibody at 20 µg/ml.

Disclaimer

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