

Anti-TYK2 Antibody

Catalog Number: A01642-1

About TYK2

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.

Overview

Product Name	Anti-TYK2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TYK2 Antibody (Catalog # A01642-1). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	TYK2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P29597

Technical Details

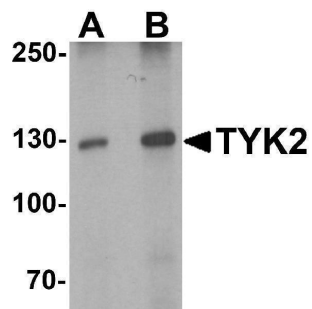
Immunogen	Rabbit polyclonal TYK2 antibody was raised against a 17 amino acid peptide near the amino terminus of human TYK2. The immunogen is located within amino acids 90 - 140 of TYK2.
Predicted Reactive Species	Bovine, Rat
Cross Reactivity	At least three isoforms of TYK2 are known to exist; this antibody only detects the two longest isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TYK2 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

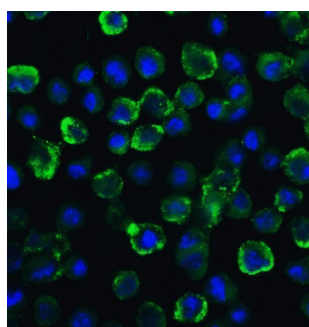
TYK2 antibody can be used for detection of TYK2 by Western blot at 1 - 2 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-TYK2 Antibody (A01642-1) Images



Western blot analysis of TYK2 in human small intestine tissue lysate with TYK2 antibody at (A) 1 and (B) 2 ug/mL



Immunofluorescence of TYK2 in A549 cells with TYK2 Antibody at 20 ug/ml.

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