

Datasheet for ABIN969448
anti-TYK2 antibody



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1 Image

2 Publications

Overview

Quantity:	100 µL
Target:	TYK2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TYK2 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	Tyk2 Antibody
Immunogen:	Purified recombinant fragment of Tyk2 expressed in E. Coli.
Clone:	8G8B3
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	TYK2
Alternative Name:	Tyk2 (TYK2 Products)
Background:	Description: Tyk2 (tyrosine kinase 2), with 1187-amino acid protein (about 131 kDa), belongs to the family of non-receptor janus tyrosine kinases, which also includes Jak1, Jak2, and Jak3.

Target Details

Kinases of the Jak family regulate a spectrum of cellular functions downstream of activated cytokine receptors in the lympho-hematopoietic system. Tyk2 is activated by a variety of cytokines: IFN-alpha, IFN-beta, IL-6, IL-10, IL-12, and IL-13 and promotes IFN-gamma production by Th1-type CD4 cells. Tyk2 can be viewed as a dual-function Jak, mediating both pro-inflammatory and anti-inflammatory cytokine responses. Tyk2 is also an important regulator of lymphoid tumor surveillance.

Aliases: JTK1

Gene ID: 7297

HGNC: 7297

UniProt: [P29597](#)

Pathways: [JAK-STAT Signaling](#), [Hepatitis C](#)

Application Details

Application Notes: ELISA: 1/10000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

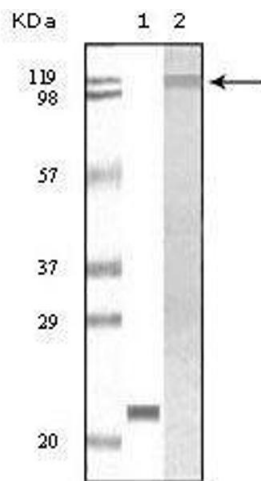
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

Product cited in: Shaw, Freeman, Scott, Fox, Bzik, Belkaid, Yap: "Tyk2 negatively regulates adaptive Th1 immunity by mediating IL-10 signaling and promoting IFN-gamma-dependent IL-10 reactivation." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 176, Issue 12, pp. 7263-71, (2006) ([PubMed](#)).

Seto, Nakajima, Suto, Shimoda, Saito, Nakayama, Iwamoto: "Enhanced Th2 cell-mediated allergic inflammation in Tyk2-deficient mice." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 170, Issue 2, pp. 1077-83, (2003) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using TYK2 mouse mAb against truncated TYK2 recombinant protein (1) and Jurkat cell lysate(2).