

Datasheet for ABIN1881849

anti-STAT3 antibody (N-Term)[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	400 µL
Target:	STAT3
Binding Specificity:	AA 4-31, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This STAT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-31 amino acids from the N-terminal region of human STAT3.
Clone:	RB42489
Isotype:	Ig Fraction
Predicted Reactivity:	X, B, C, M, Pig, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)

Target Details

Background:	Signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF and other growth factors. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA.
Molecular Weight:	88068
NCBI Accession:	NP_003141 , NP_644805 , NP_998827
UniProt:	P40763
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Neurotrophin Signaling Pathway , Dopaminergic Neurogenesis , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , Stem Cell Maintenance , Hepatitis C , Protein targeting to Nucleus , Feeding Behaviour , CXCR4-mediated Signaling Events , Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

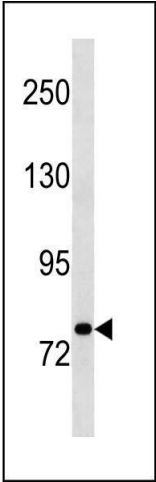
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in: Yu, Zhang, Zhang, Li: "SOCS3 overexpression inhibits advanced glycation end product-induced EMT in proximal tubule epithelial cells." in: **Experimental and therapeutic medicine**, Vol. 13, Issue 6, pp. 3109-3115, (2017) ([PubMed](#)).

Feng, Chen, Wang, Cheng, Zou, Zhong, Xu: "Roflumilast reverses polymicrobial sepsis-induced

liver damage by inhibiting inflammation in mice." in: **Laboratory investigation; a journal of technical methods and pathology**, Vol. 97, Issue 9, pp. 1008-1019, (2017) ([PubMed](#)).



Western Blotting

Image 1. STAT3 Antibody (N-term) (ABIN1881849 and ABIN2843250) western blot analysis in A549 cell line lysates (35 µg/lane). This demonstrates the STAT3 antibody detected the STAT3 protein (arrow).