

Datasheet for ABIN7444052  
**anti-STAT3 antibody (AA 346-552)**



[Go to Product page](#)

4 Images

## Overview

Quantity:	100 µL
Target:	STAT3
Binding Specificity:	AA 346-552
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Polyclonal Antibody to Signal Transducer And Activator Of Transcription 3 (STAT3)
Immunogen:	Recombinant Signal Transducer And Activator Of Transcription 3 (STAT3) corresponding to Thr346~Glu552 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against STAT3. It has been selected for its ability to recognize STAT3 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

---

Target:	STAT3
Alternative Name:	Signal Transducer And Activator Of Transcription 3 ( <a href="#">STAT3 Products</a> )
Background:	APRF, Acute-Phase Response Factor
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Feeding Behaviour</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a>

## Application Details

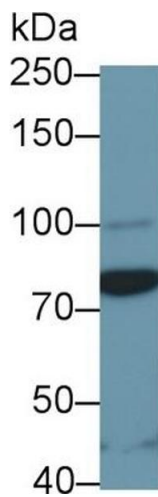
---

Application Notes:	Western blotting: 0.5-2 µg/mL Immunocytochemistry in formalin fixed cells: 5-20 µg/mL Immunohistochemistry in formalin fixed frozen section: 5-20 µg/mL Immunohistochemistry in paraffin section: 5-20 µg/mL Enzyme-linked Immunosorbent Assay: 0.05-2 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

## Handling

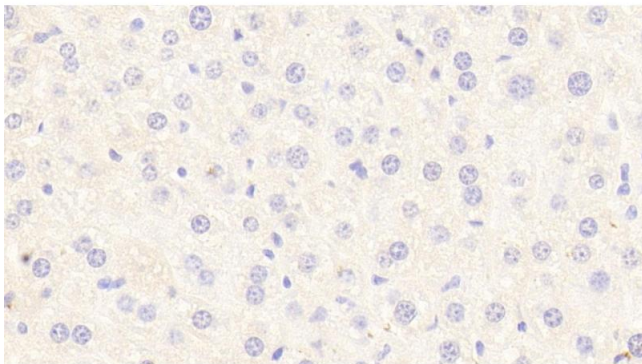
---

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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 for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



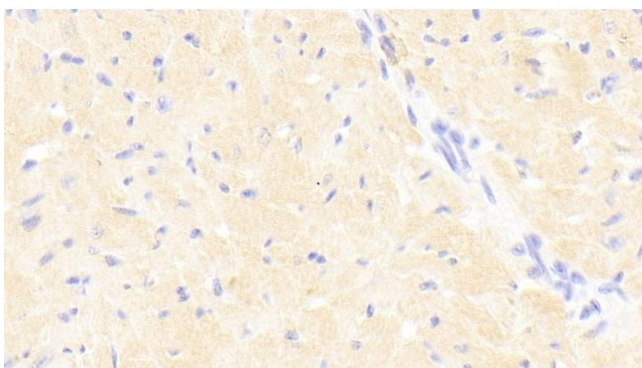
#### Western Blotting

**Image 1.** Detection of STAT3 in Rat Plasma using Polyclonal Antibody to Signal Transducer And Activator Of Transcription 3 (STAT3)



#### Immunohistochemistry

**Image 2.** Detection of STAT3 in Mouse Liver Tissue using Polyclonal Antibody to Signal Transducer And Activator Of Transcription 3 (STAT3)



#### Immunohistochemistry

**Image 3.** Detection of STAT3 in Mouse Cardiac Muscle Tissue using Polyclonal Antibody to Signal Transducer And Activator Of Transcription 3 (STAT3)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7444052.