

Datasheet for ABIN7437089
anti-STAT3 antibody (AA 563-670)



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2 Images

Overview

Quantity:	100 µL
Target:	STAT3
Binding Specificity:	AA 563-670
Reactivity:	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 Val563~Leu670 (Accession # Q32LP6)
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.
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	STAT3
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Target Details

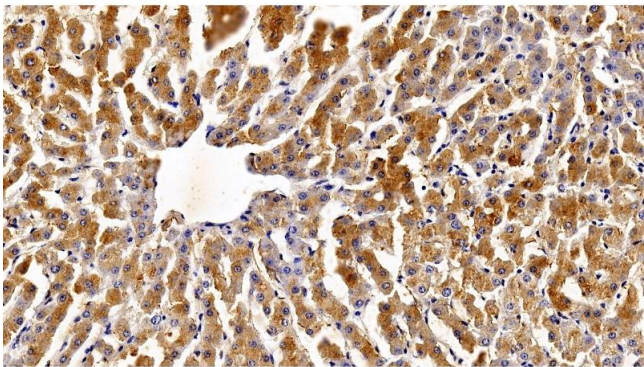
Alternative Name:	STAT3 (STAT3 Products)
Background:	APRF, Acute-Phase Response Factor
UniProt:	P61635
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Neurotrophin Signaling Pathway , Dopaminergic Neurogenesis , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , 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:	Western blotting: 0.5-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 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

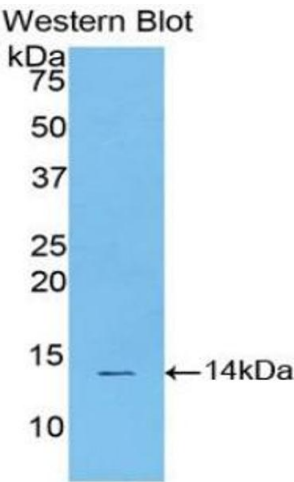
Handling

Format:	Liquid
Concentration:	500 µg/mL
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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



Immunohistochemistry

Image 1. Detection of STAT3 in Bovine Liver Tissue using Polyclonal Antibody to Signal Transducer And Activator Of Transcription 3 (STAT3)



Western Blotting

Image 2. Detection of Recombinant STAT3, Bovine using Polyclonal Antibody to Signal Transducer And Activator Of Transcription 3 (STAT3)