

Datasheet for ABIN1449165

anti-STAT3 antibody (pTyr705, pTyr708)[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mg
Target:	STAT3
Binding Specificity:	AA 703-714, pTyr705, pTyr708
Reactivity:	Human, Mouse, Zebrafish (Danio rerio)
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	12 amino acids peptide (a.a. 703~714) which contained the phosphorylated Tyr708 of zebrafish STAT3
Sequence:	CVTQPpYLKT KFI
Clone:	PS3-1
Isotype:	IgG1
Specificity:	This antibody reacts with human and mouse STAT3 phosphorylated at Tyr705, and zebrafish STAT3 phosphorylated at Tyr708.
Purification:	Protein-A Sepharose

Target Details

Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)
Background:	STAT (Signal Transducers and Activators of Transcription) proteins play important roles in development, cell differentiation, and cell cycle control. STAT3 is an ~85 kDa protein involved in the signaling pathways of many cytokines and growth factors, including GCSF and IL-6, where it functions as a negative regulator of transcription. STAT3 is also constitutively activated in a number of human tumors and it possesses anti-apoptotic activity and oncogenic potential. STAT3 may also regulate apoptosis by inhibiting NFκB. Activation of STAT3 by tyrosine phosphorylation results in dimerization, nuclear translocation, and DNA binding. Synonyms: APRF, Acute-phase response factor, STAT-3, Signal transducer and activator of transcription 3
Gene ID:	6774
NCBI Accession:	NP_003141
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:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 50 % glycerol, pH 7.2. No preservative is contained.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Western Blotting

Image 1.

