

Datasheet for ABIN6991811
anti-STAT3 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	STAT3
Binding Specificity:	AA 170-220, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Rabbit polyclonal STAT3 antibody was raised against a 19amino acid peptide near the amino terminus of human STAT3. The immunogen is located within amino acids 170 - 220 of STAT3.
Isotype:	IgG
Purification:	STAT3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)
Background:	STAT3 Antibody: STATs (signal transducers and activators of transcription) are a family of cytoplasmic latent transcription factors that are activated to regulate gene expression in

Target Details

response to a large number of extracellular signaling polypeptides including cytokines, interferons, and growth factors. After phosphorylation by JAK tyrosine kinases, STATs enter the nucleus to regulate transcription of many different genes. Among the seven STATs (STAT1, STAT2, STAT3, STAT4, STAT5a, STAT5b, and STAT6), STAT1, STAT3, STAT5a, and STAT5b have a wide activation profile. STAT3 signals are pivotal to the proliferation and differentiation of neural stem cells and also participate in neuronal regeneration and cancers of the nervous system.

Molecular Weight:	Predicted: 85 kDa
Gene ID:	6774
NCBI Accession:	NP_644805
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:	STAT3 antibody can be used for detection of STAT3 by Western blot at 1 - 2 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	STAT3 Antibody is supplied in PBS containing 0.02 % 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:	-20 °C, 4 °C

Handling

Storage Comment: STAT3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.