

STAT3 Rabbit Polyclonal Antibody

Catalog No: #53229

Package Size: #53229-1 50ul #53229-2 100ul

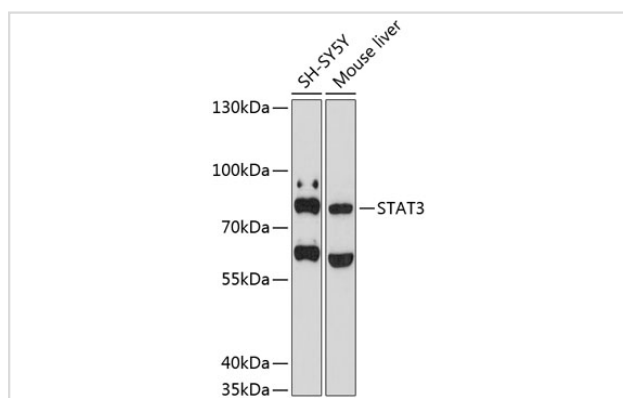
Description

Product Name	STAT3 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human STAT3 (NP_644805.1).
Conjugates	Unconjugated
Other Names	ADMIO;ADMIO1;APRF;HIES;STAT3;Stat3
Accession No.	Uniprot:P40763GenelD:6774
Calculated MW	83kDa/87kDa/88kDa
SDS-PAGE MW	88kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB 1:500 - 1:2000 IF 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using STAT3 antibody.

Background

The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many

cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Published Papers

Aysegul Dalmizrak;Nur Selvi Gunel;Burcin Tezcanh Kaymaz;Fahri Sahin;Guray Saydam;Buket Kosova el at., Effects of Rituximab on JAK-STAT and NF-κB signaling pathways in acute lymphoblastic leukemia and chronic lymphocytic leukemia, , (2019)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.