

产品概述

产品名 (Product Name)	Anti STAT3 polyclonal antibody
货号 (Catalog No.)	ATP011
种类 (Category)	Primary antibody
宿主 (Host)	Rabbit
反应种属 (Species specificity)	Human, Mouse, Rat
应用实验 (Tested applications)	WB:1:2000~1:8000, ICC:1:50~200, IHC:1:50~100
克隆性 (Clonality)	Polyclonal
偶连物 (Conjugation)	Unconjugated
免疫原 (Immunogen)	Recombinant protein of human STAT3(Met1-Met770).
别名	Signal transducer and activator of transcription 3, Acute-phase response factor, STAT3, APRF
Uniprot ID	P40763

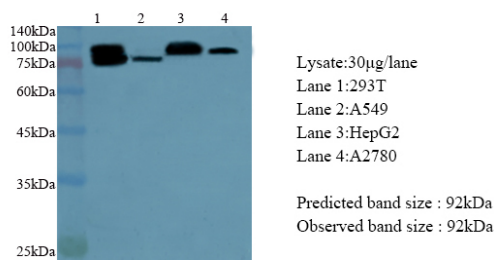
产品性能

状态 (Form)	Liquid
储存溶液 (Buffer)	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
存放条件 (Storage)	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4°C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
浓度 (Concentration)	0.76mg/ml
亚型 (Isotype)	IgG
分子量 (MW)	88kDa
纯化方式 (Purity)	Antigen affinity purification

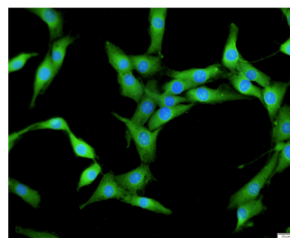
应用

WB, ICC, IHC

产品实验图片



Various lysates were subjected to SDS PAGE followed by western blot with STAT3 antibody at dilution of 1:1000.



Immunofluorescent analysis of NIH/3T3 cells using STAT3 antibody at dilution of 1:50 and Alexa Fluor-488 conjugated Affinipure Goat anti rabbit IgG(H+L).

产品背景

Signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3, synonyms: APRF, FLJ20882, MGC16063) 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. STAT3 is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. STAT3 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 STAT3. This antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human STAT3. STAT3 exists three isoforms and the molecular weight of each isoform respectively is 83 kDa, 87 kDa and 88 kDa.