Recombinant STAT3 Monoclonal Antibody

catalog number: **AN300851L**

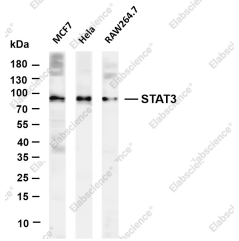
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

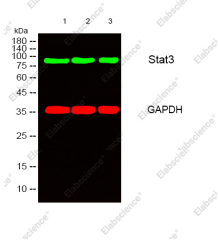
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human STAT3 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110475
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
IHC	1:100-1:500
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Data



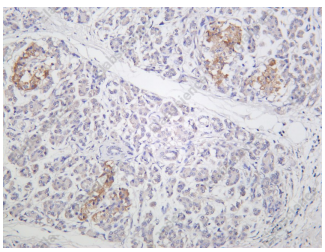
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-STAT3 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: MCF7 Lane 2: Hela Lane 3: RAW264.7 Predicted band size: 88kDa Observed band size: 88kDa

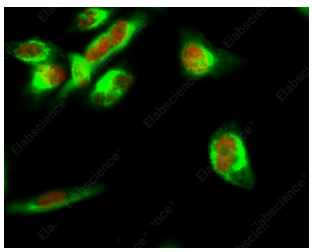


Western blot analysis of lysates from 1) HepG2-UV, 2) K562, 3) AD293 ,4) PC-3 cells, （Green） primary antibody was diluted at 1:1000, 4°C over night, secondary antibody was diluted at 1:10000, 37°C 1hour. （Red） GAPDH Monoclonal Antibody was diluted at 1:5000 as loading control, 4°C over night,secondary antibody was diluted at 1:10000, 37°C 1hour.

Observed-MW:88 kDa

Calculated-MW:88 kDa





Human pancreas was stained with anti-STAT3 rabbit antibody	Immunofluorescence analysis of Hela cell. 1,Stat3 Antibody(red) was diluted at 1:200(4°C overnight). β-tubulin Monoclonal Antibody(M7)(green) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min).

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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.