

# STAT3 Rabbit Polyclonal Antibody



CAB15729

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

### Calculated MW:

83kDa/87kDa/88kDa

### Applications:

IF

### Reactivity:

Human

## Antibody Information

### Recommended dilutions:

IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

6774

### Uniprot

P40763

### Synonyms:

ADMIO; ADMIO1; APRF; HIES; STAT3; Stat3

### Immunogen:

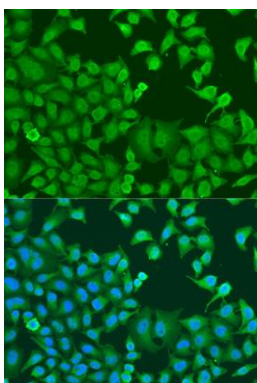
Recombinant fusion protein containing a sequence corresponding to amino acids 640-770 of human STAT3 (NP\_644805.1).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Immunofluorescence analysis of U2OS cells using STAT3 antibody (CAB15729) at dilution of 1:100. Blue: DAPI for nuclear staining.