

STAT3 Rabbit pAb

Catalog No.: A15729 **1 Publications**

Basic Information

Observed MW

Calculated MW

88kDa

Category

Primary antibody

Applications

ELISA

Cross-Reactivity

Human

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. This gene also plays a role in regulating host response to viral and bacterial infections. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome.

Recommended Dilutions

Immunogen Information

Gene ID

6774

Swiss Prot

P40763

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 640-770 of human STAT3 (NP_644805.1).

Synonyms

APRF; HIES; ADMIO; ADMIO1; STAT3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.