

# STAT3 Antibody

Catalog No: T55292

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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400-6123-828

## Information

**UniProt ID:** P40763

**All Names:** APRF; Acute-phase response factor; Signal transducer and activator of transcription 3; STAT3; HIES;

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

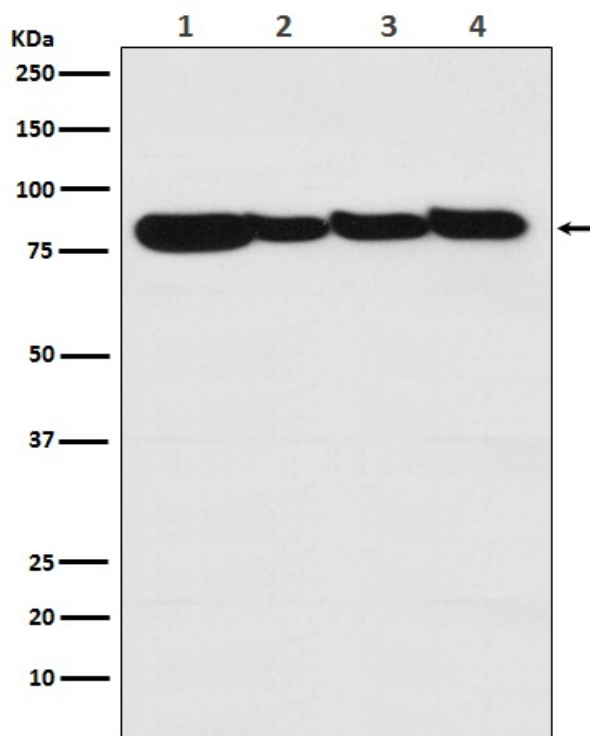
**Molecular Wt.:** 88kDa

## Application

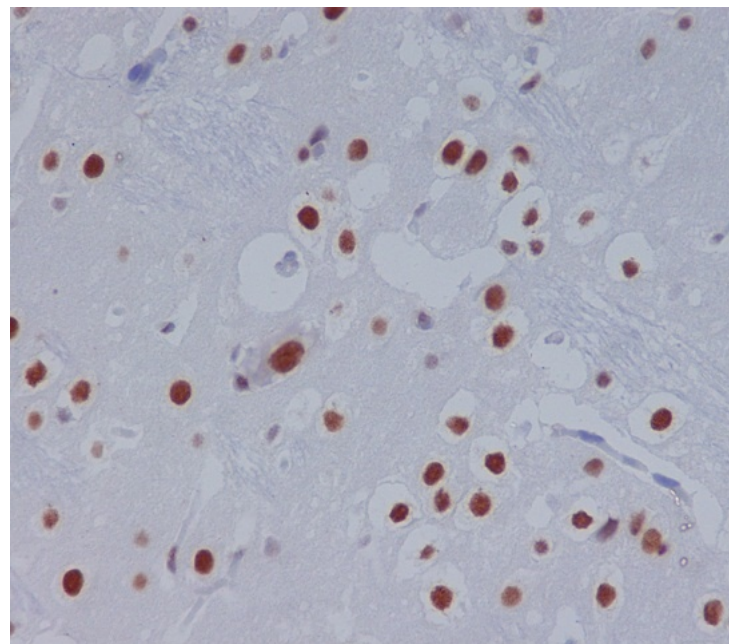
WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200

## Background

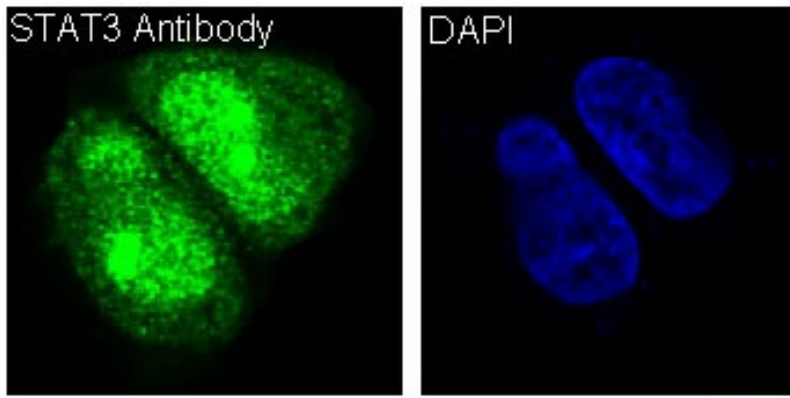
Transcription factor that binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA. The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT 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.



Western blot analysis of STAT3 expression in (1) A431 cell lysate; (2) Human liver lysate; (3) Mouse heart lysate; (4) Rat brain lysate.



Immunohistochemical analysis of paraffin-embedded rat brain, using STAT3 Antibody.



Immunofluorescent analysis of HeLa cells treated with IFNalpha, using STAT3 Antibody.