

# Phospho-STAT3 (Y705) Antibody

Catalog No: T56566

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP



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400-6123-828

## Information

**UniProt ID:** P40763

**All Names:** APRF; Stat3; HIES; Acute-phase response factor;

**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

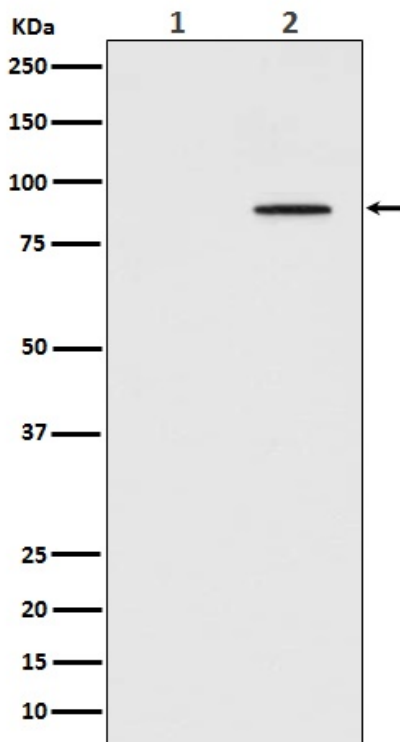
**Molecular Wt.:** 88kDa

## Application

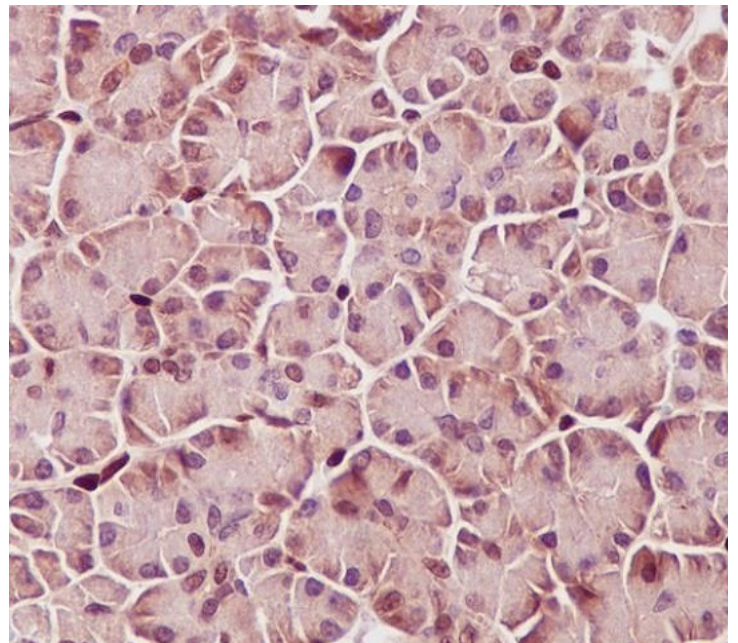
WB 1:2000~1:5000 IHC 1:50~1:100 ICC/IF 1:50~1:100 IP 1:30

## Background

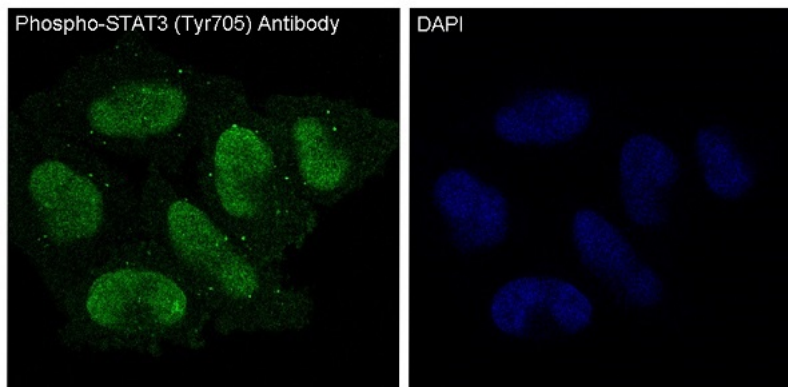
The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2.



Western blot analysis of Phospho-STAT3 (Tyr705) expression in (1) HeLa cell lysate; (2) HeLa cell lysate treated with IFN- $\alpha$ .



Immunohistochemical analysis of paraffin-embedded human pancreas, using Phospho-STAT3 (Y705) Antibody.



Immunofluorescent analysis of HeLa cells treated with IFN-alpha, using Phospho-STAT3 (Y705) Antibody.