

## STAT3 (Phospho-Tyr705) Rabbit mAb

Catalog No: #14235



Package Size: #14235-1 50ul #14235-2 100ul

Orders: order@signalwayantibody.com

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## Description

Product Name	STAT3 (Phospho-Tyr705) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-STAT3 (Y705) Antibody detects endogenous levels of total Phospho-STAT3 (Y705)
Immunogen Description	A synthesized peptide derived from human STAT3
Conjugates	Unconjugated
Other Names	APRF; Stat3; HIES; Acute-phase response factor;
Accession No.	Uniprot:P40763
Calculated MW	88kDa
SDS-PAGE MW	88kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Application Details

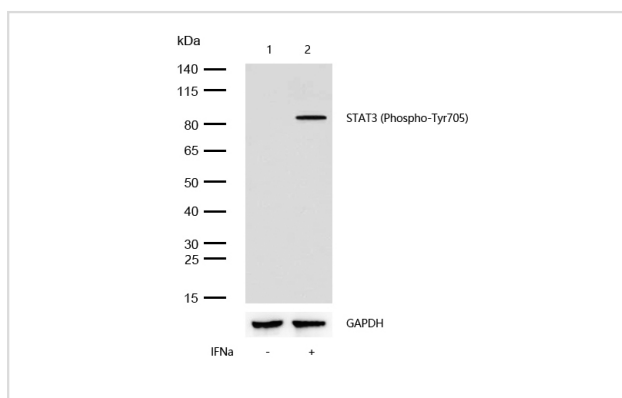
WB:1:5000~1:10000

IHC:1:50~1:100

ICC/IF:1:50~1:1000

IP:1:30

## Images



All lanes: STAT3 (Phospho-Tyr705) Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates

Lane 2 : Hela treated with 100ng/ml IFN $\alpha$  for 5min whole cell lysates

Lysates/proteins at 20  $\mu$ g per lane.

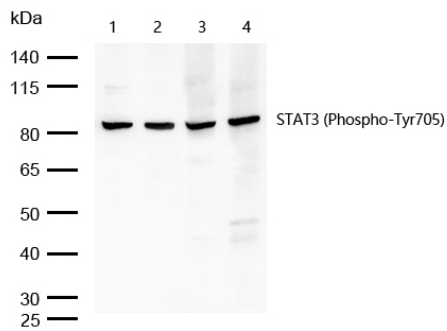
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 88 kDa

Observed band size: 88 kDa

Exposure time: 7 seconds



All lanes: STAT3 (Phospho-Tyr705) Rabbit mAb at 1/1k dilution

Lane 1 : Mouse lung lysates

Lane 2 : Mouse kidney lysates Lane 3 : Rat lung lysates Lane 4 : Rat skin lysates

Lysates/proteins at 20 µg per lane.

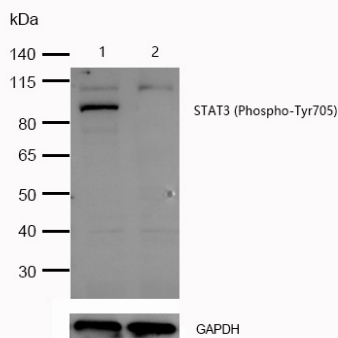
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 88 kDa

Observed band size: 88 kDa

Exposure time: 11 seconds

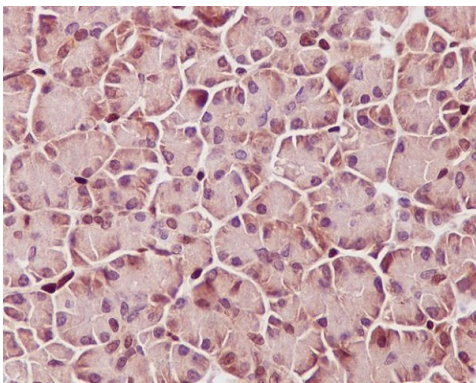


All lanes: STAT3 (Phospho-Tyr705) Rabbit mAb at 1/1k dilution

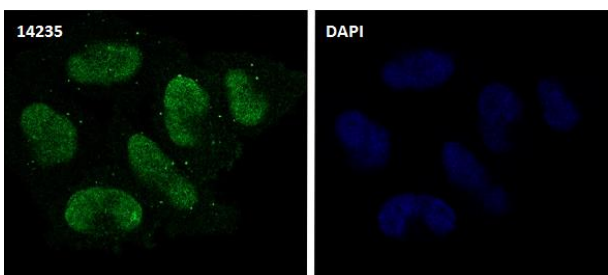
Lane 1 : Wild-type HeLa cell lysate

Lane 2 : STAT3 (Phospho-Tyr705) knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human pancreas tissue stained for STAT3 (Phospho-Tyr705) using 14235 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence STAT3

(Phospho-Tyr705) antibody (14235) ICC/IF staining of STAT3 (Phospho-Tyr705) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 14235 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

## Product Description

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.

## Published Papers

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Pei Gong;Pei Gong;Lijiao Zhao;Lijiao Zhao;Yunlong Ma;Yunlong Ma;Qiuting Shu;Qiuting Shu;Hui Sun;Hui Sun;Jing Lu;Jing Lu;Fanhua Meng;Fanhua Meng;Fang Wan;Fang Wan et al., AHR Agonist ITE Boosted PD1 Antibody $\beta$  s Effects by Inhibiting Myeloid-Derived Cells Suppressive Cells in an Orthotopic Mouse Glioma Model, , (2025)

PMID:

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.