

## Anti-Phospho-STAT3 (S727) Rabbit Monoclonal Antibody

Catalog Number: P00007-1

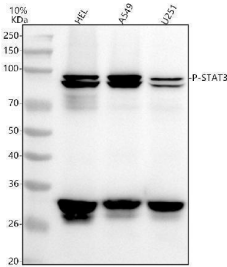
### Overview

Product Name	Anti-Phospho-STAT3 (S727) Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-STAT3 (S727) Rabbit Monoclonal Antibody catalog # P00007-1. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal CAA-19
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P40763

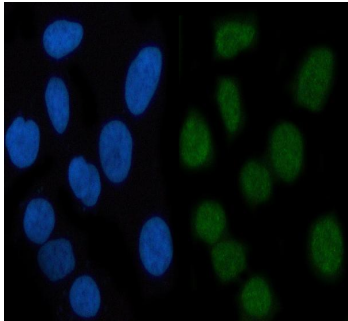
### Technical Details

Immunogen	A synthesized peptide derived from human Phospho-STAT3 (S727)
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:20

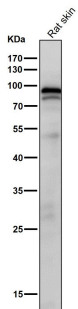
## Anti-Phospho-STAT3 (S727) Rabbit Monoclonal Antibody (P00007-1) Images



Western blot analysis of STAT3 using anti-STAT3 antibody (P00007-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HEL whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human U251 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-STAT3 antigen affinity purified monoclonal antibody (Catalog # P00007-1) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for STAT3 at approximately 88 kDa. The expected band size for STAT3 is at 88 kDa.

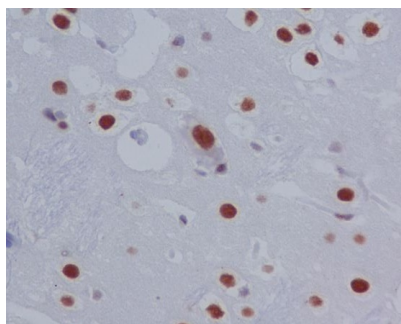


IF analysis of STAT3 using anti-STAT3 antibody (P00007-1). STAT3 was detected in immunocytochemical section of HeLa cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated at 1:50 with rabbit anti-STAT3 Antibody (P00007-1) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Immunohistochemical analysis of paraffin-embedded rat brain, using Phospho-STAT3 (S727) Antibody.



## 5 Publications Citing This Product

1. PubMed ID: 30747218, Zhang T, Ma L, Wu P, Li W, Li T, Gu R, Dan X, Li Z, Fan X, Xiao Z. Gallic acid has anticancer activity and enhances the anticancer effects of cisplatin in non-small cell lung cancer A549 cells via the JAK/STAT3 signaling pathway. *Oncol Rep.* 2019 Mar;41(3):1779-1788. doi:10.3892/or.2019.6976. Epub 2019 Jan 22. PMID:30747218.
2. PubMed ID: 26959884, Prognostic role of STAT3 in solid tumors: a systematic review and meta-analysis
3. PubMed ID: 26549519, IL-6 Inhibits Starvation-induced Autophagy via the STAT3/Bcl-2 Signaling Pathway

Visit [bosterbio.com/anti-phospho-stat3-s727-rabbit-monoclonal-antibody-p00007-1-boster.html](http://bosterbio.com/anti-phospho-stat3-s727-rabbit-monoclonal-antibody-p00007-1-boster.html) to see all 5 publications.

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