

## Anti-STAT1 alpha Rabbit Monoclonal Antibody

Catalog Number: M00036

### About STAT1

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDPK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

### Overview

Product Name	Anti-STAT1 alpha Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-STAT1 alpha Rabbit Monoclonal Antibody catalog # M00036. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal HBG-19
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	P42224

### Technical Details

Immunogen	A synthesized peptide derived from human STAT1 alpha
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:5000-1:20000

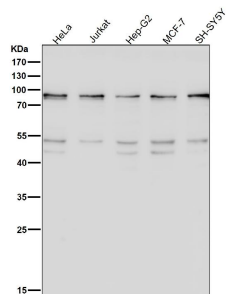
IHC 1:50-1:200

ICC/IF 1:50-1:200

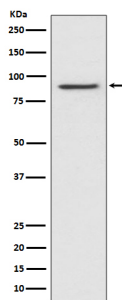
IP 1:50

FC 1:500

## Anti-STAT1 alpha Rabbit Monoclonal Antibody (M00036) Images



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of STAT1 alpha expression in HeLa cell lysate.

## 2 Publications Citing This Product

1. PubMed ID: 28903386, Synergistic inhibition of colon cancer growth by the combination of methylglyoxal and silencing of glyoxalase I mediated by the STAT1 pathway
2. PubMed ID: 17696225, Hepatitis C virus non-structural 5A abrogates signal transducer and activator of transcription-1 nuclear translocation induced by IFN-alpha through dephosphorylation.

Visit [bosterbio.com/anti-stat1-alpha-rabbit-monoclonal-antibody-m00036-boster.html](http://bosterbio.com/anti-stat1-alpha-rabbit-monoclonal-antibody-m00036-boster.html) to see all 2 publications.

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