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## STAT6 Recombinant Rabbit mAb

Catalog Number: bsm-52239R

Target Protein: STAT6

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 9A7

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 94 kDa

Subcellular: Cytoplasm, Nucleus

Locations:

Entrez Gene: 6778

Swiss Prot: P42226

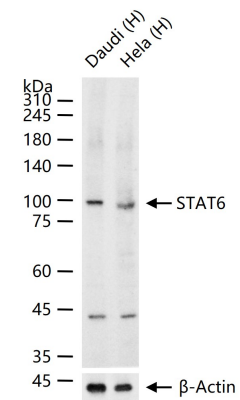
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

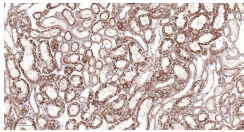
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The protein encoded by this gene is a member of the STAT family of transcription factors. 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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X (L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Also known as: signal transducers and activators of transduction 6; D12S1644; IL 4 STAT; IL4 STAT; Interleukin 4 Induced; Interleukin 4 Induced Transcription Factor IL4 STAT; Signal Transducer And Activator Of Transcription 6 Interleukin 4 Induced; Signal Transducer And Activator Of Transcription 6 Nirs Variant 1; STAT 6; STAT interleukin4 induced; STAT6B; STAT6C; Transcription factor IL 4 STAT.

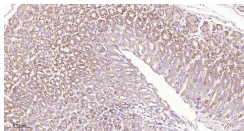
## VALIDATION IMAGES



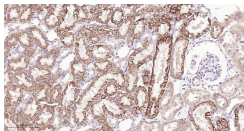
25 ug total protein per lane of various lysates (see on figure) probed with STAT6 monoclonal antibody, unconjugated (bsm-52239R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



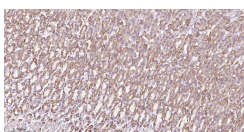
Paraformaldehyde-fixed, paraffin embedded Mouse kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with STAT6 Monoclonal Antibody, Unconjugated(bsm-52239R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



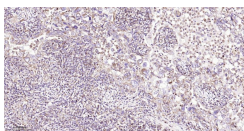
Paraformaldehyde-fixed, paraffin embedded Mouse stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with STAT6 Monoclonal Antibody, Unconjugated(bsm-52239R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with STAT6 Monoclonal Antibody, Unconjugated(bsm-52239R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with STAT6 Monoclonal Antibody, Unconjugated(bsm-52239R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human cervical cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with STAT6 Monoclonal Antibody, Unconjugated(bsm-52239R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=17.521] Yi Yan. et al. Nanomedicines Reprogram Synovial Macrophages by Scavenging Nitric Oxide and Silencing CA9 in Progressive Osteoarthritis. Advanced Science. 2023 Feb;;2207490 WB ; Mouse . 36748885

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[IF=5.714] Lu Yu. et al. Secoisolariciresinol diglucoside-derived metabolite, enterolactone, attenuates atopic dermatitis by suppressing Th2 immune response. INT IMMUNOPHARMACOL. 2022 Oct;111:109039 WB ; Mouse . 35914449

[IF=4.197] Xue-yin Pan. et al. Alternative activation of macrophages by prostacyclin synthase ameliorates alcohol induced liver injury. Lab Invest. 2021 Jun;;1-15 WB ; Mouse . 34112940

[IF=3.615] Hu, Lu. et al. Lack of STAT6 enhances murine acute lung injury through NLRP3/p38 MAPK signaling pathway in macrophages. BMC IMMUNOL. 2022 Dec;23(1):1-11 WB ; Mouse . 35606692