

Rabbit STAT3 Polyclonal Antibody | anti-STAT3 antibody

STAT3 Polyclonal Antibody

CATALOG # AAA10727	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry
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PRODUCT SYNONYMS

STAT3; Polyclonal Antibody; STAT3 Polyclonal Antibody; APRF; FLJ20882; HIES; MGC16063 ;; anti-STAT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	769
Applicable Applications for anti-STAT3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 600-700 of human STAT3 (NP_003141.2).
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



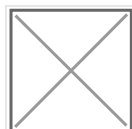
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using STAT3 Rabbit pAb (AAA10727) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



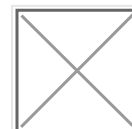
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using STAT3 Rabbit pAb (AAA10727) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using STAT3 Rabbit pAb (AAA10727) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using STAT3 Rabbit pAb (AAA10727) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of U2OS cells using STAT3 Rabbit pAb (AAA10727) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of PC-12 cells using STAT3 Rabbit pAb (AAA10727) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT3 antibody	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. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
References	1. Heim, M.H. (2001) J Recept Signal Transduct Res 19, 75120. 2. Takeda, K. et al. (1997) Proc Natl Acad Sci U S A 94, 38014. 3. Catlett-Falcone, R. et al. (1999) Immunity 10, 10515. 4. Garcia, R. and Jove, R. (1998) J Biomed Sci 5, 7985. 5. Bromberg, J.F. et al. (1999) Cell 98, 295303. 6. Darnell, J.E. et al. (1994) Science 264, 141521. 7. Ihle, J.N. (1995) Nature 377, 5914. 8. Wen, Z. et al. (1995) Cell 82, 24150. 9. Yokogami, K. et al. (2000) Curr Biol 10, 4750. 10. Biethahn, S. et al. (1999) Exp Hematol 27, 88594.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618338
NCBI GeneID	6774
NCBI Accession #	NP_003141.2
NCBI GenBank Nucleotide #	NM_003150.3
UniProt Accession #	P40763; O14916; Q9BW54; A8K7B8
Molecular Weight	Observed MW: 79KDa Calculated MW: 83kDa / 87kDa / 88kDa
NCBI Official Full Name	signal transducer and activator of transcription 3 isoform 2
NCBI Official Synonym Full Names	signal transducer and activator of transcription 3 (acute-phase response factor)
NCBI Official Symbol	STAT3
NCBI Official Synonym Symbols	APRF; HIES
NCBI Protein Information	signal transducer and activator of transcription 3; DNA-binding protein APRF; acute-phase response factor
UniProt Protein Name	Signal transducer and activator of transcription 3
UniProt Gene Name	STAT3
UniProt Synonym Gene Names	APRF
UniProt Entry Name	STAT3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/stat3-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/10727>