

Rabbit STAT3 Antibody | anti-STAT3 antibody

Rabbit anti STAT3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71404	Rabbit	Human, Rat, Mouse, Dog, Bovine	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

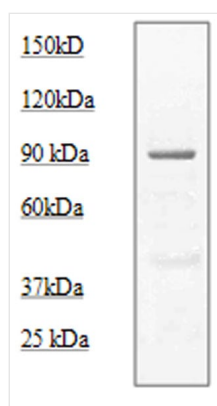
PRODUCT SYNONYMS

STAT3; Rabbit anti STAT3; Rabbit anti-Phospho-STAT3; Signal transducer and activator of transcription 3 (STAT3); anti-STAT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Dog, Bovine
Specificity	This antibody recognizes STAT3 protein.
Purity/Purification	The Rabbit IgG is purified by Epitope -Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-STAT3 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Antigen Preparation	A synthetic peptide from C-terminus of human STAT3 protein. This sequence is identical to human, mouse, rat, chicken, dog, and bovine origins.
Positive Control	A431 whole cell lysate
Cellular Location	Nuclear
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



WB (Western Blot)

The whole cell lysate derived from A431 was immunoblotted by Rabbit anti STAT3 antibody at 1:500. An immunoreactive band was observed around 94kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT3 antibody	STAT proteins (Signal transducer and activator of transcription) belong to a family of cytoplasmic transcription factors that can be phosphorylated by a ligand binding to its cell surface receptor. The phosphorylation of STAT3 induces STAT dimerization, nuclear translocation and DNA binding. Stat3 is constitutively activated in a number of human tumors. Stat3- activated transcription seems to be regulated by serine phosphorylation at Tyr 705 and Ser727.
References	Ritsuko Matsuo et al. A new expression cloning strategy for isolation of substrate-specific kinases by using phosphorylation site-specific antibody. Journal of Immunological Methods. Volume 247, Issues 1-2, 1 January 2001, Pages 141-151

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618340
NCBI GeneID	6774
NCBI Accession #	NP_644805.1
NCBI GenBank Nucleotide #	NM_139276.2
UniProt Accession #	P40763; O14916; Q9BW54; Q9BXH2
Molecular Weight	94 kDa
NCBI Official Full Name	signal transducer and activator of transcription 3 isoform 1
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; FLJ20882; MGC16063
NCBI Protein Information	signal transducer and activator of transcription 3; OTTHUMP00000198123; OTTHUMP00000198128; 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.

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Online datasheet: <https://www.aaabiotech.com/rabbit-bovine-dog-human-mouse-ovine-rat-antibody/stat3/71404>