

Rabbit STAT3 Polyclonal Antibody | anti-STAT3 antibody

STAT3 antibody

CATALOG # AAA224775	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

STAT3; Polyclonal Antibody; STAT3 antibody; Rabbit polyclonal STAT3 antibody; Polyclonal STAT3 antibody; Anti-STAT3 antibody; STAT 3 antibody; Signal transducer and activator of transcription 3 antibody; STAT-3 antibody; STAT 3; Phospho Tyr705 antibody; MGC16063 antibody; FLJ20882 antibody; APRF antibody; STAT-3; anti-STAT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	Purified by immunoaffinity chromatography.
Form/Format	Liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	51
Applicable Applications for anti-STAT3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	STAT3 antibody was raised in Rabbit using the peptide sequence around phosphorylation site of tyrosine 705 (A-P-Y(p)-L-K) derived from Human STAT3 as the immunogen.
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of extracts from HeLa cells using STAT3 (Phospho-Tyr705) antibody (Lane 2) and the same antibody preincubated with blocking peptide (Lane 1).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT3 (Phospho-Tyr705) antibody (left) or the same antibody preincubated with blocking peptide (right).

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13272532
NCBI GeneID	6774
Molecular Weight	83,126 Da
NCBI Official Full Name	STAT3, partial
NCBI Official Synonym Full Names	signal transducer and activator of transcription 3
NCBI Official Symbol	STAT3
NCBI Official Synonym Symbols	APRF; HIES; ADMIO; ADMIO1
NCBI Protein Information	signal transducer and activator of transcription 3
UniProt Protein Name	Signal transducer and activator of transcription 3
UniProt Gene Name	STAT3

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-elisa/224775>