

Mouse STAT3 Monoclonal Antibody | anti-STAT3 antibody

STAT3 antibody

CATALOG # AAA74828	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, ELISA
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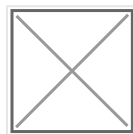
PRODUCT SYNONYMS

STAT3; Monoclonal Antibody; STAT3 antibody; Monoclonal STAT3; Anti-STAT3; STAT 3; STAT-3; APRF; FLJ20882; Signal transducer and activator of transcription 3; MGC16063; anti-STAT3 antibody

PRODUCT SPECIFICATIONS

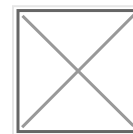
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3B5
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	51
Applicable Applications for anti-STAT3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Biological Significance	STAT3 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. Three alternatively spliced transcript variants encoding distinct isoforms have been described.
Cross-Reactivity	Human, Mouse, Monkey
Immunogen	STAT3 antibody was raised in Mouse using a purified recombinant fragment of human STAT3 expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mammary cancer tissues (left) and lung cancer tissues (right) using STAT3 antibody with DAB staining.



WB (Western Blot)

Western Blot showing STAT3 antibody used against Hela (1), NIH/3T3 (2), Jurkat (3), PC-12 (4) and COS7 (5) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT3 antibody	Mouse monoclonal STAT3 antibody
Product Categories/Family for anti-STAT3 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	13272532
NCBI GeneID	6774
UniProt Accession #	Q9BXH2; P40763
Molecular Weight	5,376 Da
NCBI Official Full Name	STAT3, partial
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; ADMIO
NCBI Protein Information	signal transducer and activator of transcription 3
UniProt Protein Name	STAT3
UniProt Gene Name	STAT3
UniProt Entry Name	Q9BXH2_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://stage.aaabiotech.com/monoclonal/stat3-antibody-clone-3b5-western-blot-immunohistochemistry-immunofluorescence-elisa/74828>