

Mouse STAT3 Monoclonal Antibody | anti-STAT3 antibody

STAT3 (PTR1364) Monoclonal Antibody

CATALOG # AAA320494	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

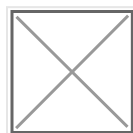
STAT3; Monoclonal Antibody; STAT3 (PTR1364) Monoclonal Antibody; Signal transducer and activator of transcription 3 (Acute-phase response factor); APRF; Signal transducer and activator of transcription 3; Acute-phase response factor; anti-STAT3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG
Clone Number	PTR1364
Specificity	This antibody detects endogenous levels of STAT3.
Purity/Purification	Protein G
Form/Format	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-STAT3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Protein of STAT3
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

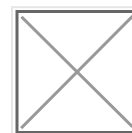
IMAGES

Application Data



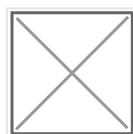
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using STAT3Mouse mAb diluted at 1:200.



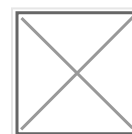
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human Colon Carcinoma using STAT3Mouse mAb diluted at 1:200.



WB (Western Blot)

Western blot detection of STAT3 in human breast cancer cell line MCF-7(A), T47D(B), MDA-MB-231(C) and Cal51 (D) using STAT3 mouse mAb (AAA320494, 1:2000 diluted). Predicted band size: 86kDa. Observed band size: 86kDa. Picture was kindly provided by our customer from Tianjin Medical University Cancer Institute and Hospital





WB (Western Blot)

Western blot analysis of 1) Rat Heart Tissue. 2) Mouse Heart Tissue. 3) Hela with STAT3
Mouse mAb diluted at 1:2,000.

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
Product Categories/Family for anti-STAT3 antibody	Primary Antibodies

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	88,068 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/stat3-antibody-clone-ptr1364-immunofluorescence-immunohistochemistry-western-blot-elisa/320494>