

Rabbit anti-Human STAT3-S727 Monoclonal Antibody | anti-STAT3 antibody

Phospho-STAT3-S727 Rabbit mAb

CATALOG # AAA283115	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

STAT3-S727; Monoclonal Antibody; Phospho-STAT3-S727 Rabbit mAb; APRE; Phospho-STAT3-S727; anti-STAT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	PMSPR
Applicable Applications for anti-STAT3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic phosphorylated peptide around S727 of human Phospho-Phospho-STAT3-S727 (S727)(P40763).
Modification	Phospho S727
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



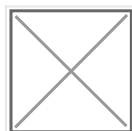
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat liver using Phospho-STAT3-S727 Rabbit mAb (AAA283115) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



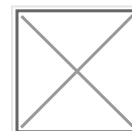
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat colon using Phospho-STAT3-S727 Rabbit mAb (AAA283115) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemisry)

Immunohistochemistry analysis of paraffin-embedded Mouse liver using Phospho-STAT3-S727 Rabbit mAb (AAA283115) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohiostchemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Phospho-STAT3-S727 Rabbit mAb (AAA283115) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using Phospho-STAT3-S727 Rabbit mAb (AAA283115) at 1:1000 dilution. NIH/3T3 and PC-12 cells were treated by TNF- α (20 ng/mL) at 37 $^{\circ}$ C for 30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 120s.

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. This gene also plays a role in regulating host response to viral and bacterial infections. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome.
Product Categories/Family for anti-STAT3 antibody	Epigenetics Nuclear Signaling; Transcription Factors; Protein phosphorylation; Cancer; Signal Transduction; ErbB-HER Signaling Pathway; MAPK-Erk Signaling Pathway; MAPK-JNK Signaling Pathway; Cell Biology Developmental Biology; Apoptosis; Inhibition of Ap

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	Calculated MW: 88kDa Observed MW: 88kDa
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/monoclonal/stat3-s727-antibody-immunohistochemistry-western-blot-elisa/283115>