

Rabbit STAT3 Polyclonal Antibody | anti-STAT3 antibody

STAT3 (Phospho-Tyr705) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306785	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

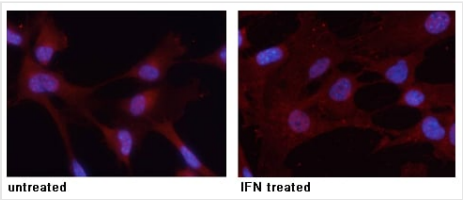
PRODUCT SYNONYMS

STAT3; Polyclonal Antibody; STAT3 (Phospho-Tyr705) Antibody; APRF; Acute-phase response factor; HIES; anti-STAT3 antibody

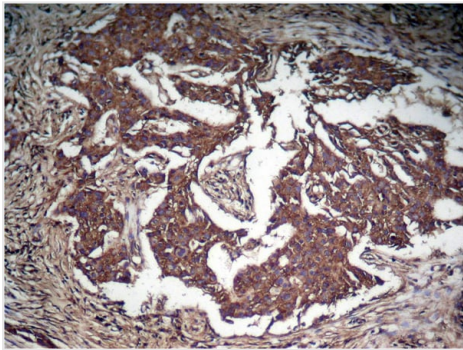
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of STAT3 only when phosphorylated at tyrosine 705.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	769
Applicable Applications for anti-STAT3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 705 (A-P-Y(p)-L-K) derived from Human STAT3.
Modification	Phospho-Tyr705
Target Name	STAT3
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

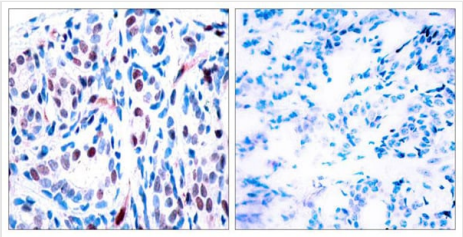
IMAGES



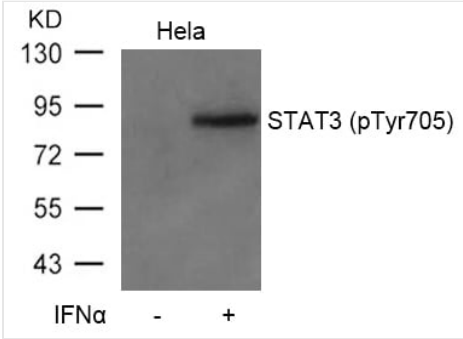
IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed MEF cells untreated or treated with IFN using STAT3 (Phospho-Tyr705) Antibody.



IHC (Immunohistochemisry)
Immunohistochemical analysis of paraffin-embedded human Lung carcinoma tissue using STAT3 (Phospho-Tyr705) Antibody.



IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT3 (Phospho-Tyr705) Antibody (left) or the same antibody preincubated with blocking peptide #51045 (right).



WB (Western Blot)
Western blot analysis of extracts from HeLa cells untreated or treated with IFN a using STAT3(Phospho-Tyr705) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT3 antibody	Transcription factor that binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA.
Product Categories/Family for anti-STAT3 antibody	Phospho-specific Ab

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; K7ENL3
Molecular Weight	83,126 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; ADMIO
NCBI Protein Information	signal transducer and activator of transcription 3

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/polyclonal/stat3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/306785>