

Rabbit STAT3 (pY705) Antibody | anti-STAT3 (pY705) antibody

Rabbit anti Phospho- STAT3 (pTyr 705)

CATALOG # AAA14088	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Canine, Bovine, Chicken	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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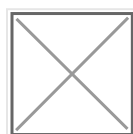
PRODUCT SYNONYMS

STAT3 (pY705); Rabbit anti Phospho- STAT3 (pTyr 705); Rabbit anti-Phospho-STAT3 (pY705); Signal transducer and activator of transcription 3 (STAT3); anti-STAT3 (pY705) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Canine, Bovine, Chicken
Specificity	This antibody recognizes STAT3 (pY705) with a phosphorylated sites of Tyr705. It does not cross-react with non-phosphospecific peptide.
Purity/Purification	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-STAT3 (pY705) antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: 0.1-1 ug/ml ELISA: 0.01-0.1 ug/ml Immunoprecipitation: 2-5 ug/ml Immunohistochemistry: 1:50 ug/ml
Antigen Preparation	A synthetic peptide surrounding to the epitope -APYLK-- with phosphorylation sites at Tyr705 of STAT3 protein from human, mouse, rat, chicken dog and bovine origins.
Positive Control	EGF-stimulated A431
Cellular Location	Nuclear
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-STAT3 (pY705) antibody	STAT proteins (Signal transducer and activator of transcription) belong to a family of cytoplasmic transcription factors that can be phosphorylated by a ligand binding to its cell surface receptor. The phosphorylation of STAT3 induces STAT dimerization, nuclear translocation and DNA binding. Stat3 is constitutively activated in a number of human tumors. Stat3- activated transcription seems to be regulated by serine phosphorylation at Ser727 and tyrosine phosphorylation at Tyr705.
References	Ritsuko Matsuo et al. A new expression cloning strategy for isolation of substrate-specific kinases by using phosphorylation site-specific antibody. Journal of Immunological Methods. Volume 247, Issues 1-2, 1 January 2001, Pages 141-151

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618340
NCBI GeneID	6774
NCBI Accession #	NP_644805.1
NCBI GenBank Nucleotide #	NM_139276.2
UniProt Accession #	P40763; O14916; Q9BW54; Q9BXH2
Molecular Weight	94 kDa
NCBI Official Full Name	signal transducer and activator of transcription 3 isoform 1
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; FLJ20882; MGC16063
NCBI Protein Information	signal transducer and activator of transcription 3; OTTHUMP00000198123; OTTHUMP00000198128; 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/rabbit-bovine-canine-chicken-human-mouse-ovine-rat-antibody/stat3-py705/14088>