

Rabbit STAT5 (pY694) Antibody | anti-STAT5 (pY694) antibody

Rabbit anti Phospho- STAT5 (pTyr 694)

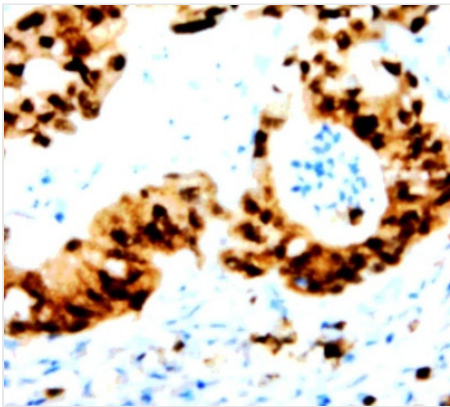
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14089	Rabbit	Human, Rat, Mouse	Western Blot, Immunohistochemistry, ELISA, Immunoprecipitation

PRODUCT SYNONYMS

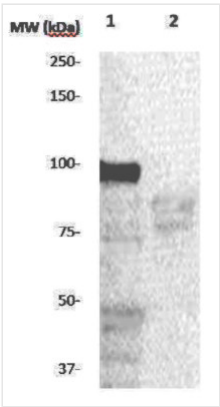
STAT5 (pY694); Rabbit anti Phospho- STAT5 (pTyr 694); Rabbit anti-Phospho-STAT5 (pY694); Signal transducer and activator of transcription 5 (STAT5); anti-STAT5 (pY694) antibody

PRODUCT SPECIFICATIONS

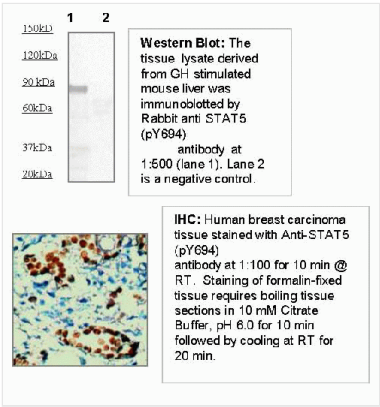
Host	Rabbit
Reactivity	Human, Rat, Mouse
Specificity	This antibody recognizes STAT5 (pY694) with a phosphorylated sites of Tyr694. It does not cross-react with non-phosphospecific peptide.
Purity/Purification	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-STAT5 (pY694) antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, IP (Immunoprecipitation)
Application Notes	WB: 0.1-1 ug/ml EIA: 0.01-0.1 ug/ml IP: 2-5 ug/ml IHC-p: 2-10 ug/mL *Optimal dilutions should be determined by researchers for the specific applications.
Antigen Preparation	A synthetic peptide surrounding to the epitope -DGYVK-- with phosphorylation sites at Tyr694 of STAT5 protein from human, mouse and rat origins.
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C to 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.



IHC (Immunohistochemistry)
Immunohistochemistry: Human breast carcinoma tissue (FFPE) stained with Anti-STAT5 (pY694) (Cat# AAA14089) antibody at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.



WB (Western Blot)
Western Blot: The tissue lysate derived from GH stimulated mouse liver was immunoblotted by Rabbit anti STAT5 (pY694) (Cat-# AAA14089) antibody at 1:500 (lane 1). Lane 2 is a negative control. Observed a major immunoreactive band at molecular weight ~92kDa.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-STAT5 (pY694) 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. STAT5 is tyrosine phosphorylated in response to IL-2, IL-3, IL-7, IL-15, GM-CSF, growth hormone, prolactin, erythropoietin and thrombopoietin. Serine phosphorylation is also required for maximal transcriptional activity. NCoA-1/SRC-1 acts as a co-activator for both the a- and b-isoforms of STAT5.
References	Lin, J.X., et al. Cloning of human Stat5B. Reconstitution of interleukin-2-induced Stat5A and Stat5B DNA binding activity in COS-7 cells. J. Biol Chem. 271: 10738, 2006

NCBI AND UNIPROT INFORMATION

NCBI GI #	147899870
NCBI GeneID	399176
NCBI Accession #	NP_001083890.1
NCBI GenBank Nucleotide #	NM_001090421.1
Molecular Weight	92.0 kDa
NCBI Official Full Name	STAT5
NCBI Official Symbol	stat5a

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-human-mouse-rat-antibody/stat5-py694/14089>