

AP02347PU-S**Polyclonal Antibody to STAT5 / STAT5A pTyr694 - Aff - Purified**

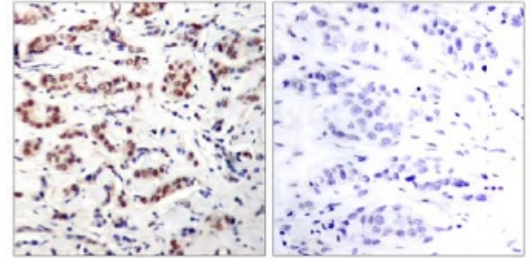
Alternate names:	MGF, Mammary gland factor, STAT-5, STAT-5A, Signal transducer and activator of transcription 5A
Quantity:	50 µg
Concentration:	1.0 mg/ml
Background:	The STAT proteins serve as both cytoplasmic signal transducers and nuclear activators of transcription. STATs are mediators involved in cytokine signalling. In response to a specific cytokine signal, STAT proteins are phosphorylated on conserved tyrosine residues. Phosphorylated STAT proteins dimerize via their SH2 domains and move to the nucleus. The STAT dimers bind to specific DNA elements resulting in transcriptional regulation of downstream target genes. STAT5 is activated in response to prolactine, growth hormone, GM-CSF, and IL-2.
Uniprot ID:	P42229
NCBI:	NP_003143.2
GeneID:	6776
Host:	Rabbit
Immunogen:	Synthesized phosphopeptide derived from Human STAT5A around the phosphorylation site of Tyrosine 694 (D-G-Yp-V-K).
Format:	State: Liquid purified Ig fraction Purification: Immunoaffinity Chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. Buffer System: PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 M NaCl Preservatives: 0.02% Sodium Azide Stabilizers: 50% Glycerol
Applications:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	90 kDa
Specificity:	This antibody detects endogenous levels of STAT5A only when phosphorylated at Tyrosine 694. Species: Human, Mouse and Rat. Other species not tested.
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.

General Readings:

1. Gouilleux F, et al. (1994) EMBO J. 13: 4361-4369.
2. Dentelli P, et al. (1999) J Immunol. 163: 2151-2159.
3. Meinke A, et al. (1996) Mol Cell Biol. 16: 6937-6944.

Pictures:

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT5A (phospho-Tyr694) antibody Cat.-No AP02347PU



Western blot analysis of extracts from HeLa cells using STAT5A (phospho-Tyr694) antibody Cat.-No AP02347PU.

