



STAT4 (Phospho-Tyr693)

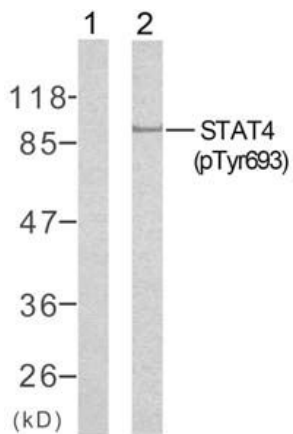
Antibody

#11047

Catalog Number: 11047-1, 11047-2**Amount:** 50µg/50µl, 100µg/100µl**Swiss-Prot No. :** Q14765**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage/Stability:** Store at -20°C/1 year**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human STAT4 around the phosphorylation site of tyrosine 693 (K-G-Y^P-V-P)**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site**Specificity/Sensitivity:** STAT4 (phospho-Tyr693) antibody detects endogenous levels of STAT4 only when phosphorylated at tyrosine 693.**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 85 kd

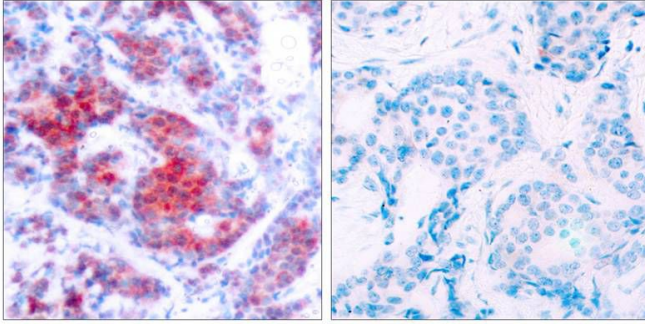
WB: 1:500~1:2000 IHC: 1:50~1:200



IL-4 - +

Western blot analysis of extracts from HeLa cells using

STAT4 (phospho-Tyr693) antibody (#11047).



P-Peptide - +

Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue using STAT4 (phospho-Tyr693) antibody (#11047).

Background :

The protein carries out a dual function: signal transduction and activation of transcription. Involved in IL12 signaling .The protein encoded by this gene is a member of the STAT family of transcription factors. 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

References:

Strausberg R L, et al. (2002) Proc Natl Acad Sci U S A. 99(26):16899-16903