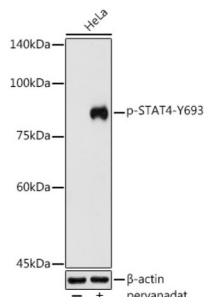
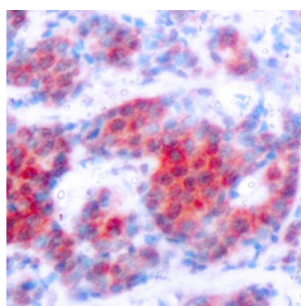


Signal Transducer and Activator of Transcription 4 Phospho-Tyr693 (STAT4 pY693) Antibody

Catalogue No.: abx000189



Western blot analysis of lysates from HeLa cells, using Phospho-STAT4-Y693 Antibody at 1/500 dilution. HeLa cells were treated by Pervanadate (1 nM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma using Phospho-STAT4-Y693 Antibody. Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

STAT4 (pY693) Antibody is a Rabbit Polyclonal antibody against STAT4 (pY693). 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. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein.

Target: Signal Transducer and Activator of Transcription 4 Phospho-Tyr693 (STAT4 pY693)

Clonality: Polyclonal

Target Modification: Tyr693

Modification: Phosphorylation

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IHC

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/100 - 1/500, IHC-P: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

Datasheet

Version: 4.0.0
Revision date: 05 Mar 2025



Conjugation: Unconjugated

Immunogen: A synthetic phosphorylated peptide around Y693 of human STAT4.

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: Q14765 ([UniProt](#), [ExPASy](#))

Gene Symbol: STAT4

GeneID: [6775](#)

NCBI Accession: NP_003142.1

KEGG: hsa:6775

String: [9606.ENSP00000376134](#)

Molecular Weight: Calculated MW: 86 kDa
Observed MW: 81 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.