

Product datasheet for **AP01694PU-S**

STAT4 pTyr693 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunohistochemistry on paraffin sections 1/50-1/200. Immunoprecipitation: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of STAT4 pTyr693 protein.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 86 kDa
Gene Name:	signal transducer and activator of transcription 4
Database Link:	Entrez Gene 6775 Human Q14765



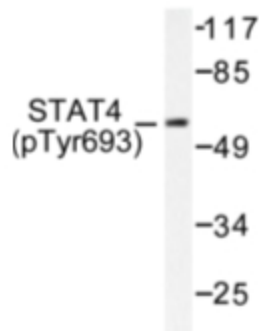
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Background:

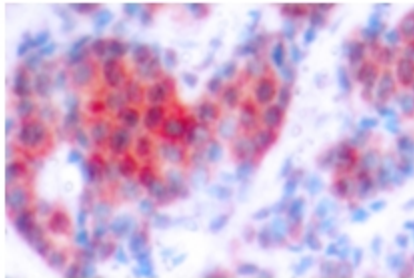
Drosophila melanogaster is a proven and effective model for studying developmental and cellular processes common to higher eukaryotes. Approximately 13,600 genes have been elucidated from more than 120 megabases of euchromatin, and they are organized among the chromosomes 2, 3, 4, X and Y, with the Y chromosome being predominately heterochromatic. *Drosophila* genes can be categorized based on the type of protein for which they encode and are represented by six major classifications, which include intracellular signaling proteins, transmembrane proteins, RNA binding proteins, secreted factors, transcription regulators (basic helix-loop-helix, homeodomain containing, zinc finger containing, and chromatin associated) or other functional proteins. Many of the genes expressed in *Drosophila* are structurally and functionally similar across species, as are the pathways involved in transducing intracellular signaling. Mareille (Stat, Signal-transducer and activator of transcription protein) is an SH2 domain-containing, invertebrate homolog of the mammalian Stat transcription factor.

Synonyms:

OTTHUMP00000163553; SLEB11

Product images:

Western blot (WB) analysis of STAT4 pTyr693 antibody (Cat.-No.: [AP01694PU-N]) in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of STAT4 pTyr693 antibody (Cat.-No.: [AP01694PU-N]) in paraffin-embedded human breast carcinoma tissue.