

**AP08356PU-N****Polyclonal Antibody to STAT4 (N-term) - Aff - Purified****Alternate names:**

Signal transducer and activator of transcription 4

**Quantity:**

50 µl

**Background:**

The STAT 4 protein is a transcription factor activated by hormone and cytokines. STAT 4 is most similar to STAT 1 (52%) and STAT 3 (47%). Functionally STAT 4 is similar to other STAT family members in that it can be tyrosine phosphorylated by JAK 1 or JAK 2. STAT 4 forms homodimers and heterodimers with related STAT family members. Tyrosine phosphorylated STAT 4 can bind the interferon g activated site (GAS), and serine phosphorylation is also required for maximal transcriptional activity. STAT 4 expression is restricted to the thymus, spleen, and testis.

**Uniprot ID:**[Q14765](#)**NCBI:**[NP\\_003142.1](#)**GeneID:**[6775](#)**Host / Isotype:**

Rabbit / IgG

**Immunogen:**

Partial recombinant Human STAT4, N-terminal

**Format:****State:** Liquid purified Ig fraction**Purification:** Immunoaffinity Chromatography**Buffer System:** PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and 50% Glycerol as stabilizer**Applications:****Immunohistochemistry on Paraffin Sections:** 1/50.**Western Blot.**

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody recognizes STAT4 (N-term).

**Species Reactivity:****Tested:** Human**Add. Information:****Predicted Molecular Weight:** 86 kDa**Storage:**

Store the antibody undiluted (in aliquots) at -20°C .

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**Pictures:**

Testis: Formalin-Fixed Paraffin-Embedded (FFPE)

