

## Product datasheet for **TA343363**

### STAT6 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-STAT6 antibody: synthetic peptide directed towards the C terminal of human STAT6. Synthetic peptide located within the following region: TEQDLTKLLLEGQGEGSGGSLGAQPLLQPSHYGQSGISMSHMDLRANPSW
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	94 kDa
Gene Name:	signal transducer and activator of transcription 6
Database Link:	<a href="#">NP_003144</a> <a href="#">Entrez Gene 6778 Human</a> <a href="#">P42226</a>



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**Background:**

STAT6 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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. 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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins.

**Synonyms:**

D12S1644; IL-4-STAT; STAT6B; STAT6C

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Guinea pig: 100%; Rat: 93%; Horse: 93%; Bovine: 93%; Rabbit: 93%; Mouse: 86%

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

**Protein Pathways:**

Jak-STAT signaling pathway

**Product images:**


WB Suggested Anti-STAT6 Antibody Titration: 0.2-1 ug/ml; Positive Control: recombinant STAT6 protein