

Product datasheet for **TA354957**

STAT4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	Dot, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC Not tested
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding to the epitope -KGYVP-- with phosphorylation sites at Tyr693 of STAT4 protein from human, mouse, rat, chicken dog and bovine origins.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	90 kDa
Gene Name:	signal transducer and activator of transcription 4
Database Link:	NP_001230764 Entrez Gene 20849 Mouse Entrez Gene 6775 Human Q14765
Background:	STAT proteins (Signal transducer and activator of transcription) belong to a family of cytoplasmic transcription factors that can be phosphorylated by a ligand binding to its cell surface receptor. Activation of STAT4 induces dimerization, nuclear translocation and DNA binding. STAT4 protein expression is restricted to the thymus, spleen and testis. Both tyrosine and serine residues on STAT4 become phosphorylated in response to IL-12 or IFN-α although serine phosphorylation is not required for DNA binding. STAT4 is activated in T-cells in response to the cytokine interleukin-12 (IL-12), and in NK cells by IL-2. STAT4-deficient mice display impaired IL-12 development of Th1 cells and enhanced development of Th2 cells.



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Synonyms: SLEB11

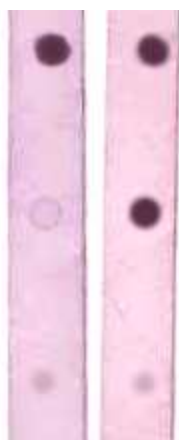
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Jak-STAT signaling pathway

Product images:



WB: The whole tissue lysate derived from mouse kidney was immunoblotted by Rabbit anti-STAT4 (pY694) antibody at 1:500.



DB: 1 ug peptide was blot onto NC membrane A: STAT4 (pY694) (Phosphospecific) B: STAT4 (Paired Y694) (Non phosphospecific) C: Non-related phosphospecific peptide were blotted at a 1:2000 dilution by: 1: Rabbit anti-STAT4 (Phospho specific),.