

## Product datasheet for **TA324198**

### STAT4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500-1000, IHC: 1:50-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around aa.691~695 (K-G-Y-V-P) derived from Human STAT4.
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	86 kDa
Gene Name:	signal transducer and activator of transcription 4
Database Link:	<a href="#">NP_001230764</a> <a href="#">Entrez Gene 20849</a> <a href="#">MouseEntrez Gene 367264</a> <a href="#">RatEntrez Gene 6775</a> <a href="#">Human Q14765</a>
Background:	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.
Synonyms:	SLEB11

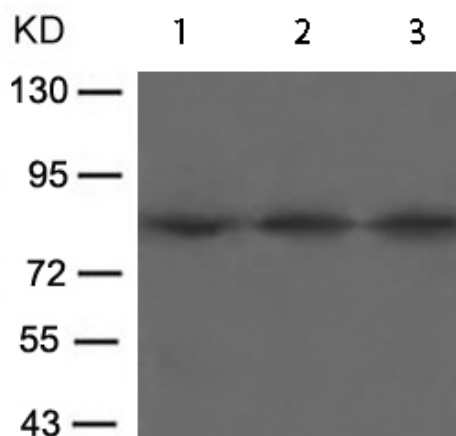


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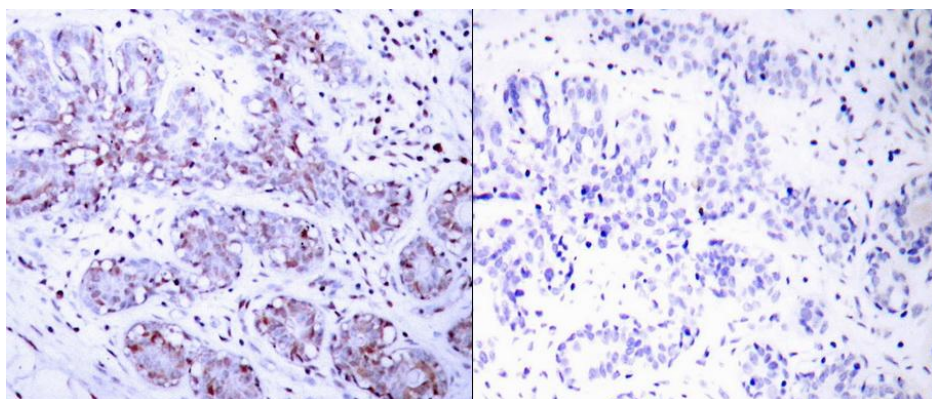
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Jak-STAT signaling pathway

### Product images:



Predicted band size: 86 kDa. Positive control: HeLa, A431 and Jurkat cells lysate. Recommended dilution: 1/ 500-1000. (Gel: 8%SDS-PAGE Lane 1-3: HeLa, A431 and Jurkat cells lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm; Nucleus. Positive control: Human breast carcinoma tissue. Recommended dilution: 1/ 50-100 The image on the left is immunohistochemistry of paraffin-embedded human breast carcinoma tissue using STAT4 (Ab-693) antibody at dilution 1/50, on the right is treated with the synthetic peptide. (Original magnification: x200)