

Product datasheet for **TA324196S**

STAT4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: TM4 and 293T cell lysates IHC: 50-300 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm and Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 439-748 amino acids of Human Signal transducer and activator of transcription 4
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	signal transducer and activator of transcription 4
Database Link:	NP_003142 Entrez Gene 20849 Mouse Entrez Gene 6775 Human Q14765



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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:

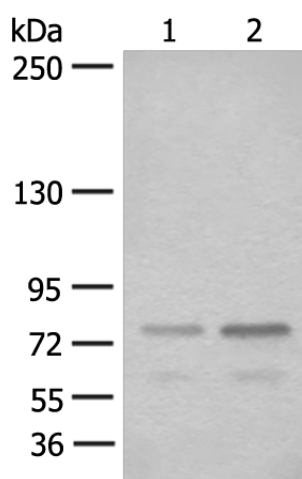
SLEB11

Protein Families:

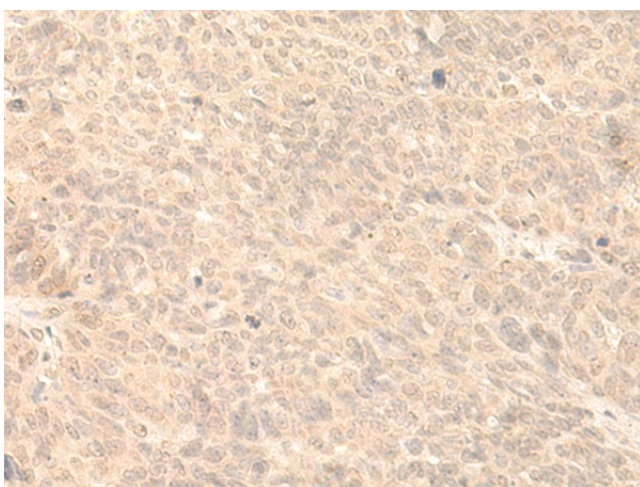
Druggable Genome, Transcription Factors

Protein Pathways:

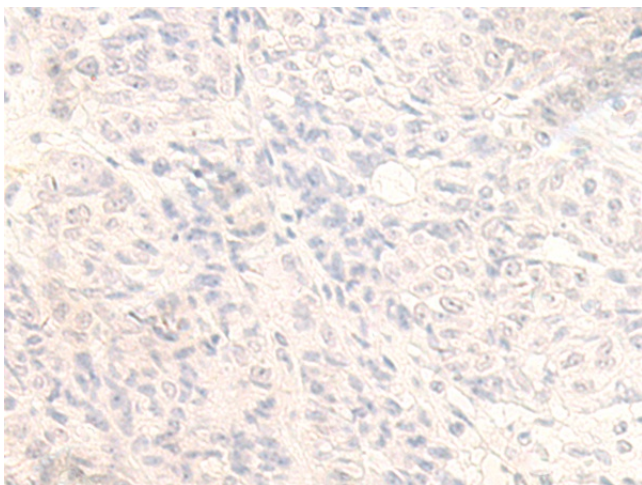
Jak-STAT signaling pathway

Product images:


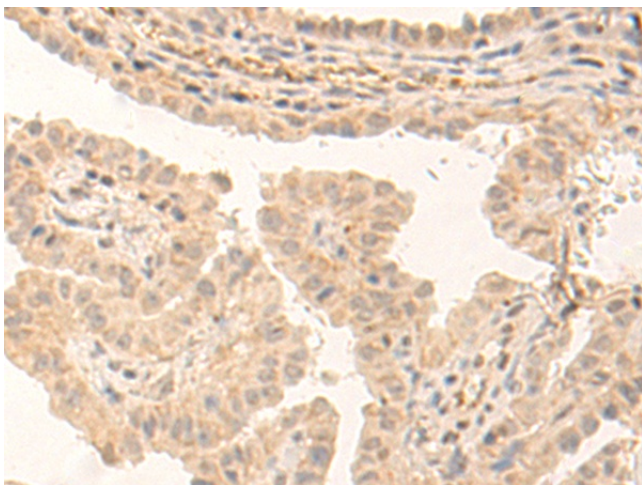
Gel: 6%SDS-PAGE
 Lysate: 40 µg
 Lane 1-2: TM4 and 293T cell lysates
 Primary antibody: [TA324196] (STAT4 Antibody) at dilution 1/400
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 1 minute



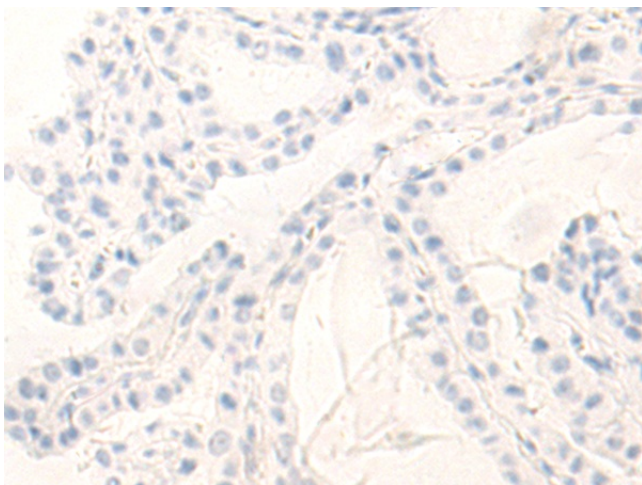
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA324196] (STAT4 Antibody) at dilution 1/75 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA324196] (STAT4 Antibody) at dilution 1/75, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA324196] (STAT4 Antibody) at dilution 1/75 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA324196] (STAT4 Antibody) at dilution 1/75, treated with fusion protein. (Original magnification: $\times 200$)