



Rabbit Anti-Human STAT4 Polyclonal Antibody (CABT-L2148)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Signal Transducer And Activator Of Transcription 4 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against STAT4. It has been selected for its ability to recognize STAT4 in immunohistochemical staining and western blotting.
Target	STAT4
Immunogen	Recombinant fragment corresponding to human STAT4 (Tyr505-Ile737)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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. [provided by RefSeq, Aug 2011]
Keywords	STAT4

GENE INFORMATION

Gene Name	STAT4 signal transducer and activator of transcription 4 [Homo sapiens (human)]
Official Symbol	STAT4
Synonyms	STAT4; signal transducer and activator of transcription 4; SLEB11;
Entrez Gene ID	6775
Protein Refseq	NP_001230764
UniProt ID	Q14765
Chromosome Location	2q32.2-q32.3
Pathway	Downstream signaling in naive CD8+ T cells; Hepatitis B; IL12 signaling mediated by STAT4; IL12-mediated signaling events; IL23-mediated signaling events; IL27-mediated signaling events; Inflammatory bowel disease (IBD); Interferon type I;
Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;