



Anti-STAT4 polyclonal antibody (DPAB-DC1735)

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

PRODUCT INFORMATION

Antigen Description	STAT4 (signal transducer and activator of transcription 4) is a protein-coding gene. Diseases associated with STAT4 include rheumatoid arthritis, and systemic lupus erythematosus, and among its related super-pathways are Th1 Differentiation and Immune response IL-23 signaling pathway. GO annotations related to this gene include sequence-specific DNA binding and sequence-specific DNA binding transcription factor activity. An important paralog of this gene is STAT5B.
Specificity	This antibody recognizes ~97 KDa Stat4. A ~60 KDa band can also be detected, presumably to be the cleavage fragment of Stat4.
Immunogen	A synthetic peptide corresponding to residues surrounding amino acids 732 of rat Stat4.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Pig, Rat
Conjugate	Unconjugated
Applications	WB (Tissue lysate),
Format	Liquid
Size	100 µg
Buffer	In PBS (30% glycerol, 0.5% BSA, 0.01% thimerosal)
Preservative	None
Storage	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and

thawing.

GENE INFORMATION

Gene Name	Stat4 signal transducer and activator of transcription 4 [Rattus norvegicus (Norway rat)]
Official Symbol	STAT4
Synonyms	STAT4; signal transducer and activator of transcription 4;
Entrez Gene ID	367264
Protein Refseq	NP_001012226
UniProt ID	Q66HB2
Chromosome Location	9q22
Pathway	Adipogenesis; B Cell Receptor Signaling Pathway; Disease; EGFR1 Signaling Pathway
Function	DNA binding; calcium ion binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity