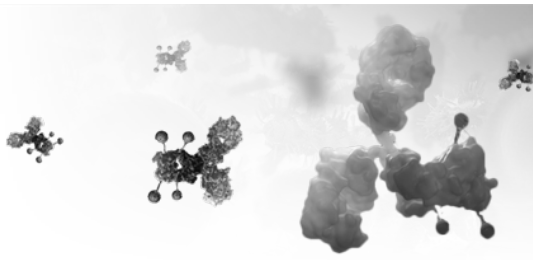

Rabbit Anti-STAT5A, STAT5B monoclonal antibody, clone KK19-89 (CABT-L830)

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

PRODUCT INFORMATION

Target	STAT 5A+B
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KK19-89
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	90 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	K562, Jurkat, PC-12, HepG2, RH-35, NIH/3T3, human tonsil tissue, human spleen tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Stat5 (Signal Transducers and Activators of Transcription 5) is important in regulating T cell functions involving the receptors for Interleukin-2 (IL-2). IL-2 stimulates the rapid phosphorylation of both serine and tyrosine residues of Stat5a and Stat5b in human T lymphocytes and in several IL-2-responsive lymphocytic cell lines. IL-2 differentially induces serine phosphorylation of Stat5a and Stat5b on Ser726 and Ser731, respectively. Stat5b is preferentially phosphorylated and displays more protracted serine phosphorylation kinetics than Stat5a. Both the acid-rich region and the COOH terminus of IL-2Rb can independently mediate IL-2-induced Stat 5a/b serine phosphorylation, suggesting that Stat5a/b serine phosphorylation occurs at a postreceptor level. Stat5a is phosphorylated on Tyr694 in a prolactin-sensitive manner, whereas serine phosphorylation is constitutive. Activation of Stat5 by IL-2 may help govern the biological effects of IL-2 during the immune response.
Keywords	Mammary gland factor (STAT5A);MGF (STAT5A);Signal transducer and activator of transcription 5A;Signal transducer and activator of transcription 5B;STA5A_HUMAN;Stat 5a;STAT 5b;STAT5A;Transcription factor STAT5B antibody

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