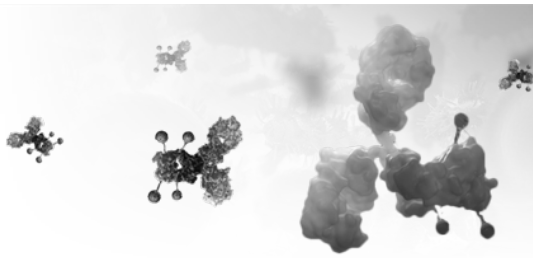

Mouse anti-Human TFII-I monoclonal antibody, clone 53/UGJJ-J (CABT-B9336)

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

PRODUCT INFORMATION

Immunogen	Human BAP-135 aa. 17-123
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat, Dog
Clone	53/UGJJ-J
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF
Format	Liquid
Concentration	250 µg/ml
Size	50 µg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	General transcription factor II-I (GTF2I/TFII-I/SPIN/BAP-135) is a transcription factor that

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	contains six directly repeated 90-residue regions, which possess helix-loop-helix protein-protein interaction motifs. TFII-I can regulate transcription in T-cells through interaction with the initiator elments (Inrs) within the AdML and Vβ promoters, and associates with HIV-1, TdT, and ribonucleotide reductase R1 Inrs. In addition, TFII-I associates with the E box motif, the CACGTG sequence, and with serum response element sequences. The helix-loop-helix repeats facilitate TFII-I interaction with other transcription factors, such as USF, Myc, Phox 1, MADS box protein serum response factor, and STATs. TFII-I was also identified as Bruton's tyrosine kinase (btk)-associated protein (BAP-135). TFII-I/BAP-135 is tyrosine phosphorylated by btk and after EGF stimulation, and this phosphorylation enhances TFII-I transcriptional activity. The wide expression of TFII-I and the interaction of TFII-I with various Inrs and transcription factors implicates TFII-I in various signaling pathways that regulate gene transcription.
Keywords	GTF2I; general transcription factor IIi; WBS; DIWS; SPIN; IB291; BAP135; BTKAP1; TFII-I; WBSCR6; GTFII-I; general transcription factor II-I; BTK-associated protein, 135kD; SRF-Phox1-interacting protein; Williams-Beuren syndrome chromosome region 6; Bruton tyrosine kinase-associated protein 135;

GENE INFORMATION

Entrez Gene ID	2969
UniProt ID	A8K9W7

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221