Datasheet for ABIN968264

anti-GTF2I antibody (AA 17-123)

4 Images | 1 Publication

Go to Product page

Overview

Quantity:	50 µg
Target:	GTF2I
Binding Specificity:	AA 17-123
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GTF2I antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human BAP-135 aa. 17-123
Clone:	42-TFII
Isotype:	IgG1
Cross-Reactivity:	Dog (Canine), Mouse (Murine), Rat (Rattus)
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

	chromatography.

Target Details

Target:	GTF2I
Alternative Name:	TFII-I (GTF2I Products)
Background:	General transcription factor II-I (GTF2I/TFII-I/SPIN/BAP-135) is a transcription factor that 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 Vbeta 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. Synonyms: BAP-135
Molecular Weight:	135/140 kDa

Application Details

Comment:	Related Products: ABIN968535, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

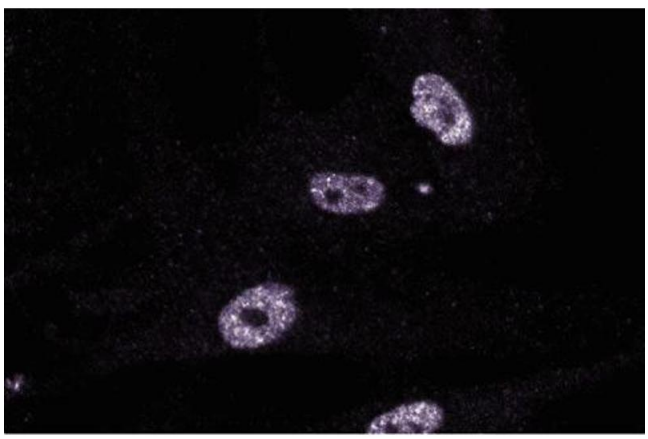
Publications

Product cited in:	Yang, Desiderio: "BAP-135, a target for Bruton's tyrosine kinase in response to B cell receptor engagement." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 94, Issue 2, pp. 604-9, (1997) (PubMed).

Images

Western Blotting

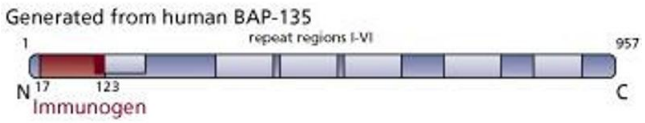
Image 1. Western blot analysis of TFII-I on HeLa cell lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of anti-TFII-I.



Immunofluorescence

Image 2. Immunofluorescent staining of FHS cells.

Image 3.



Please check the product details page for more images. Overall 4 images are available for ABIN968264.