Product datasheet

Anti-JUNB Antibody

Catalog Number: *A01825-3*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-JUNB Antibody
Gene Name	JUNB
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human JUNB, which shares 88.9% amino acid (aa) sequence identity with both mouse and rat JUNB.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	42-45 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Transcription factor jun-B (JUNB) is a protein that in humans is encoded by the JUNB gene. It is mapped to 19p13.2. JUNB is a transcription factor involved in regulating gene activity following the primary growth factor response. It binds to the DNA sequence 5'-TGA[CG]TCA-3', and a large fraction (over 50%) of the JUNB locus is contained in these flanking evolutionarily conserved sequences (FECS), which may be required for effecting the proper transcriptional regulation of this gene. What's more, the expression of JUNB gene might be involved in terminal granulocyte differentiation or in

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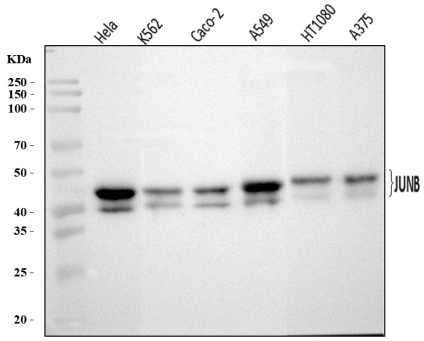
regulating granulocyte functionality.

Reference

Anti-JUNB Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of JUNB using anti-JUNB antibody (A01825-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Hela whole cell lysates,
Lane 2: K562 whole cell lysates,
Lane 3: Caco-2 whole cell lysates,
Lane 4: A549 whole cell lysates,
Lane 5: HT1080 whole cell lysates,
Lane 6: A375 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-JUNB antigen affinity purified polyclonal antibody (A01825-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for JUNB at approximately 42-45 kDa. The expected band size for JUNB is at 36 kDa.

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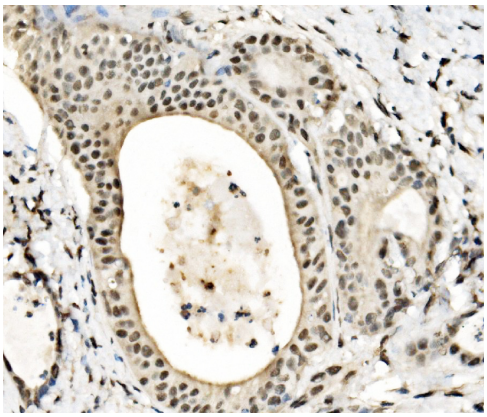
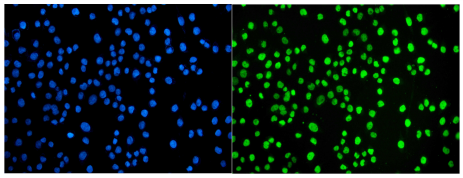
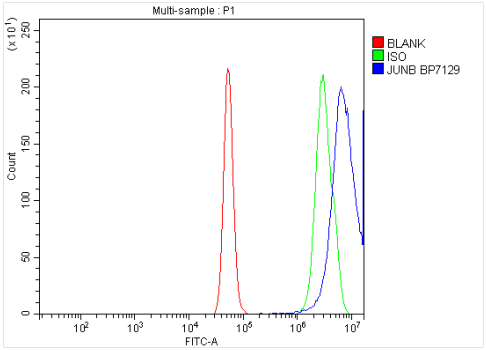


IHC analysis of JUNB using anti-JUNB antibody (A01825-3).
JUNB was detected in a paraffin-embedded section of human Gall bladder adenosquamous carcinoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-JUNB Antibody (A01825-3) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



ICC/IF analysis of JUNB using anti-JUNB antibody (A01825-3).
JUNB was detected in an immunocytochemical section of SiHa cells. The section was incubated with rabbit anti-JUNB Antibody (A01825-3) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of A431 cells using anti-JUNB antibody (A01825-3).
Overlay histogram showing A431 cells stained with A01825-3 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-JUNB Antibody (A01825-3) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.