JUNB Antibody

Mouse Monoclonal Antibody [Clone PCRP-JUNB-3G2]

Catalog No	Format	Size
3726-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3726-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3726-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

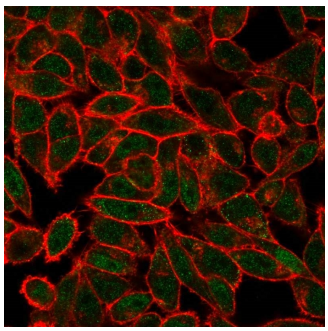
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

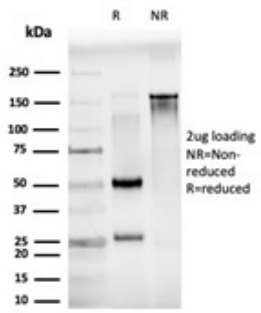
Clone	PCRP-JUNB-3G2
Gene Name	JUNB
Immunogen	Recombinant full-length human JUNB protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	39kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa, K562 or MCF-7 cells.

**Optimal dilution for a specific application should be determined.*

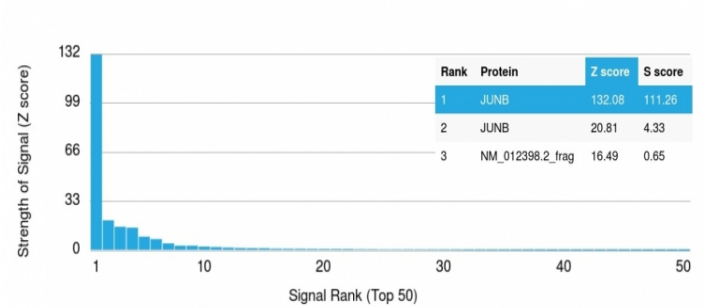
Product Images for JUNB Antibody



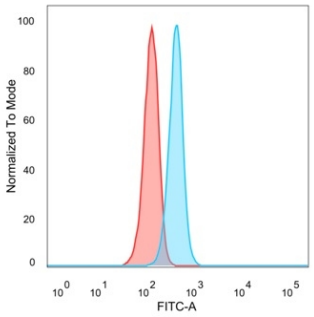
Immunofluorescence Analysis of PFA-HeLa cells. JUNB Mouse Monoclonal Antibody (PCRP-JUNB-3G2) followed by goat anti-mouse IgG-CF488 (green). Phalloidin counterstain (red).



SDS-PAGE Analysis of Purified JUNB Mouse Monoclonal Antibody (PCRP-JUNB-3G2). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing JUNB Mouse Monoclonal Antibody (PCRP-JUNB-3G2). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Flow Cytometric Analysis of PFA-fixed HeLa cells. JUNB Mouse Monoclonal Antibody (PCRP-JUNB-3G2) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

The c-Jun proto-oncogene was first identified as the cellular homolog of the avian sarcoma virus v-Jun oncogene. The c-Jun protein, along with c-Fos, is a component of the AP-1 transcriptional complex. c-Jun can form either Jun/Jun homodimers or Jun/Fos heterodimers via the leucine repeats in both proteins. Homo- and heterodimers bind to the TGACTCA consensus sequence present in numerous promoters and initially identified as the phorbol ester tumor promoter response element (TRE). Two additional genes, Jun B and Jun D, have been shown to be almost identical to c-Jun in their C-terminal regions, which are involved in dimerization and DNA binding, whereas their N-terminal domains, which are involved in transcriptional activation, diverge. All three form heterodimers among themselves and with c-Fos and other members of the Fos gene family.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cytokine Signaling, Immunology, Infectious Disease, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.