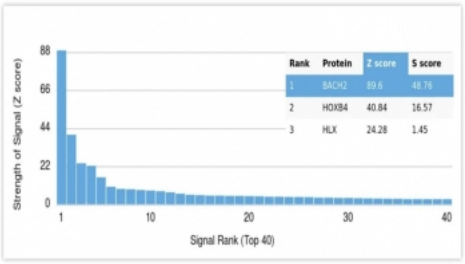
BACH2 Antibody / BTB and CNC homology 2 [clone PCRP-BACH2-5B11] (V5787)

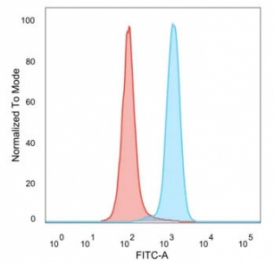
Catalog No.	Formulation	Size
V5787-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5787-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5787SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

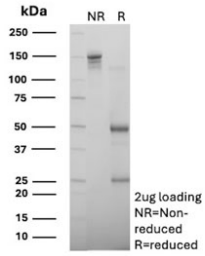
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	PCRP-BACH2-5B11
Purity	Protein G affinity
UniProt	Q9BYV9
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells
Limitations	This BACH2 antibody is available for research use only.



BACH2 Antibody HuProt Protein Microarray Specificity Analysis. Protein microarray analysis of BTB domain and CNC homolog 2 / BACH2 using a HuProt(TM) array containing over 19,000 full-length human proteins demonstrates high target specificity of the BACH2 antibody. The assay identifies BACH2 as the top-ranked protein based on signal intensity, with a strong Z-score indicating robust binding and a high S-score reflecting clear separation from non-target proteins. Secondary signals for related proteins are markedly lower, supporting selective recognition of BACH2 with minimal cross-reactivity. Z-score represents signal strength in standard deviations above the array mean, while S-score represents the difference between the top-ranked signal and the next highest signal, providing a quantitative measure of antibody specificity.



BACH2 Antibody Flow Cytometry HeLa Cell Analysis. Flow cytometry analysis of BTB domain and CNC homolog 2 / BACH2 in PFA-fixed human HeLa cells using BACH2 antibody. The BACH2 antibody (blue) demonstrates a clear right-shifted fluorescence peak compared to the isotype control (red), indicating specific intracellular detection of BACH2. The distinct separation between populations supports reliable identification of BACH2-positive cells and confirms antibody specificity in flow cytometry-based analysis.



SDS-PAGE analysis of purified, BSA-free BACH2 antibody (clone PCRP-BACH2-5B11) as confirmation of integrity and purity.

Description

Enables sequence-specific double-stranded DNA binding activity. Involved in primary adaptive immune response involving T cells and B cells. Located in cytosol and nucleoplasm. Implicated in immunodeficiency 60. Transcriptional regulator that acts as a repressor or activator. Binds to Maf recognition elements (MARE). Plays an important role in coordinating transcription activation and repression by MAFK. Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1. Positively regulates the nuclear import of actin. Is a key regulator of adaptive immunity, crucial for the maintenance of regulatory T-cell function and B-cell maturation.

This BACH2 antibody is part of a broader antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the BACH2 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 11-132 from human BACH2 protein was used as the immunogen for the BACH2 antibody.

Storage

Aliquot the BACH2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.