BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-BHLH3 Antibody (N-term)

Catalog Number: A04668-2

About BHLHE41

BHLHE41 may be a transcriptional repressor that represses both basal and activated transcription.

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Overview

Product Name	Anti-BHLH3 Antibody (N-term)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-BHLH3 Antibody (N-term) (Catalog # A04668-2). Tested in WB, IF, Flow Cytometry application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9C0J9

Technical Details

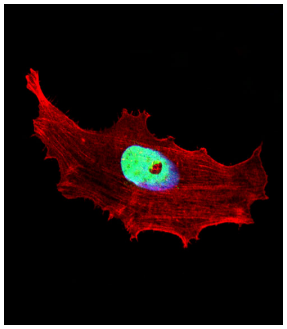
Immunogen	This BHLH3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-46 amino acids from the N-terminal region of human BHLH3.
Predicted Reactive Species	Rabbit
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:1000

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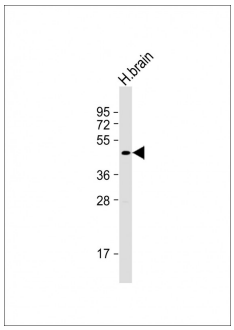
	FC: 1:10-1:50

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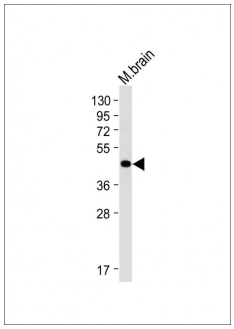
Anti-BHLH3 Antibody (N-term) (A04668-2) Images



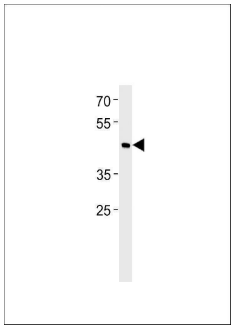
Fluorescent confocal image of MCF-7 cell stained with BHLH3 Antibody (N-term). MCF-7 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with BHLH3 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min).BHLH3 immunoreactivity is localized to nucleus significantly.



Anti-BHLH3 Antibody (N-term) at 1:1000 dilution + human brain lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



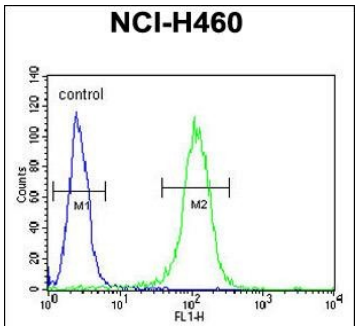
Anti-BHLH3 Antibody (N-term) at 1:2000 dilution + Mouse brain lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



BHLH3 Antibody (N-term) western blot analysis in RD cell line lysates (35ug/lane).This demonstrates the BHE41 antibody detected the BHE41 protein (arrow).

BHLH3 Antibody (N-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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Anti-BHLH3 Antibody (N-term)

For Research Use Only. Not for use in diagnostic procedures.