BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-BHLH3 Antibody (N-term)

Catalog Number: M04668

About BHLHE41

Transcriptional repressor involved in the regulation of the circadian rhythm by negatively regulating the activity of the clock genes and clock-controlled genes. Acts as the negative limb of a novel autoregulatory feedback loop (DEC loop) which differs from the one formed by the PER and CRY transcriptional repressors (PER/CRY loop). Both these loops are interlocked as it represses the expression of PER1 and in turn is repressed by PER1/2 and CRY1/2. Represses the activity of the circadian transcriptional activator: CLOCK-ARNTL/BMAL1 heterodimer by competing for the binding to E-box elements (5'-CACGTG-3') found within the promoters of its target genes. Negatively regulates its own expression and the expression of DBP and BHLHE41/DEC2. Acts as a corepressor of RXR and the RXR-LXR heterodimers and represses the ligand-induced RXRA/B/G, NR1H3/LXRA, NR1H4 and VDR transactivation activity.

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Overview

Product Name	Anti-BHLH3 Antibody (N-term)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BHLH3 Antibody (N-term) (Catalog # M04668). Tested in WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Monoclonal 2135CT82.1.84
Formulation	Purified monoclonal 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	Mouse
Uniprot ID	Q9C0J9

Technical Details

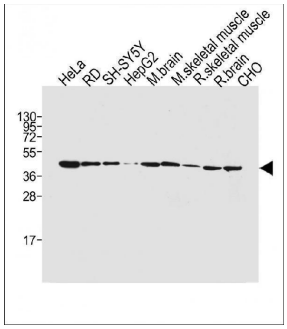
Immunogen	This BHLH3 antibody is generated from a mouse immunized with a recombinant protein of human BHLH3.

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Predicted Reactive Species	Human, Mouse, Rat
Isotype	IgG2b,kappa
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:4000

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Anti-BHLH3 Antibody (N-term) (M04668) Images



All lanes : Anti-BHLH3 Antibody (N-term) at 1:4000 dilutionLane 1: HeLa whole cell lysateLane 2: RD whole cell lysateLane 3: SH-SY5Y whole cell lysateLane 4: HepG2 whole cell lysateLane 5: Mouse brain tissue lysateLane 6: Mouse skeletal muscle tissue lysateLane 7: Rat skeletal muscle tissue lysateLane 8: Rat brain tissue lysateLane 9: CHO whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-BHLH3 Antibody (N-term)

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