

Summary

Production Name	DEC2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	BHLHE41 BHLHE41; BHLHB3; DEC2; SHARP1; Class E basic helix-loop-helix protein 41; bHLHe41;
Alternative Names	Class B basic helix-loop-helix protein 3; bHLHb3; Differentially expressed in chondrocytes protein 2; hDEC2; Enhancer-of-split and hairy-related protein 1; S
Gene ID	79365.0
SwissProt ID	Q9C0J9.The antiserum was produced against synthesized peptide derived from human BHLHB3. AA range:1-50

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:40000.
Molecular Weight	50kD

Product Name: DEC2 Rabbit Polyclonal Antibody
Catalog #: APRab09896



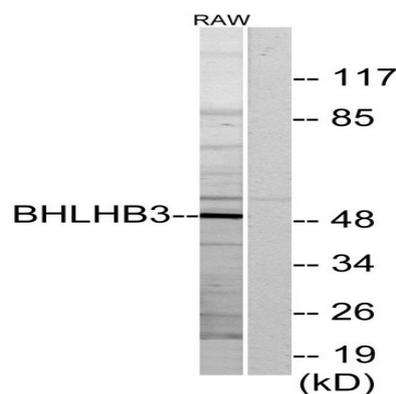
Background

This gene encodes a basic helix-loop-helix protein expressed in various tissues. The encoded protein can interact with ARNTL or compete for E-box binding sites in the promoter of PER1 and repress CLOCK/ARNTL's transactivation of PER1. This gene is believed to be involved in the control of circadian rhythm and cell differentiation. Defects in this gene are associated with the short sleep phenotype. [provided by RefSeq, Feb 2014],function:May be a transcriptional repressor that represses both basal and activated transcription.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,similarity:Contains 1 Orange domain.,subunit:Homodimerize.,tissue specificity:Highly expressed in skeletal muscle and brain, moderately expressed in pancreas and heart, weakly expressed in placenta, lung, liver and kidney.,

Research Area

Circadian rhythm;

Image Data



Western blot analysis of lysates from RAW264.7 cells, using BHLHB3 Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.