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Datasheet for ABIN7147844

anti-BHLHE41 antibody (AA 185-285) (HRP)

Overview

Quantity:	100 µg
Target:	BHLHE41
Binding Specificity:	AA 185-285
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BHLHE41 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Class E basic helix-loop-helix protein 41 protein (185-285AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	BHLHE41
Alternative Name:	BHLHE41 (BHLHE41 Products)
Background:	Background: 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

Target Details

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.

Aliases: Basic helix-loop-helix domain containing class B3 antibody, BHE41_HUMAN antibody, bHLH protein DEC2 antibody, bHLHB3 antibody, bHLHe41 antibody, Class B basic helix loop helix protein 3 antibody, Class B basic helix-loop-helix protein 3 antibody, Class E basic helix-loop-helix protein 41 antibody, DEC2 antibody, Differentially expressed in chondrocytes protein 2 antibody, Enhancer of split and hairy related protein 1 antibody, Enhancer-of-split and hairy-related protein 1 antibody, hDEC2 antibody, Moderately similar to basic-helix loop helix protein M.musculus antibody, SHARP-1 antibody

UniProt: [Q9C0J9](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.