



Mouse anti-Human BHLHE41 monoclonal antibody, clone 5I7 (CABT-B9853)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	BHLHB3 (NP_110389, 203 a.a. ~ 283 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	5I7
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	CLERAGQKLEPLAYCVPVIQRTQPSAELAAENDTDTDSGYGGAEARPDREKKGAGASR VTIKQEPPGEDSPAPKRMKL*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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
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and repress CLOCK/ARNTLs 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]

Keywords	BHLHE41; basic helix-loop-helix family, member e41; DEC2; hDEC2; BHLHB3; SHARP1; class E basic helix-loop-helix protein 41; enhancer-of-split and hairy-related protein 1; differentially expressed in chondrocytes protein 2; basic helix-loop-helix domain containing, class B, 3;
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GENE INFORMATION

Entrez Gene ID	79365
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UniProt ID	Q9C0J9
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Pathway	Circadian Clock, organism-specific biosystem; Circadian rhythm - mammal, organism-specific biosystem; Circadian rhythm - mammal, conserved biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem
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Function	DNA binding; sequence-specific DNA binding transcription factor activity
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