



Mouse anti-Human BHLHE40 polyclonal antibody (DPAB-DC3582)

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

PRODUCT INFORMATION

Antigen Description	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/ARNTLs transactivation of PER1. This gene is believed to be involved in the control of circadian rhythm and cell differentiation.
Immunogen	BHLHB2 (NP_003661, 130 a.a. ~ 229 a.a) partial recombinant protein with GST tag. The sequence is LSGRNVETGQEMFCSGFQTCAREVLQYLAHKENTRDLKSSQLVTHLHRVVSELLQGGTSRKPSDPAPKVMDFKEKPSSPAKGSEGPGKNCVPVIQRTFAH
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	BHLHE40 basic helix-loop-helix family, member e40 [Homo sapiens (human)]
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Official Symbol	BHLHE40
Synonyms	BHLHE40; basic helix-loop-helix family, member e40; DEC1; HLHB2; BHLHB2; STRA13; Stra14; SHARP-2; class E basic helix-loop-helix protein 40; class B basic helix-loop-helix protein 2; differentially expressed in chondrocytes 1; stimulated by retinoic acid gene 13 protein; enhancer-of-split and hairy-related protein 2; differentially expressed in chondrocytes protein 1; differentiated embryo chondrocyte expressed gene 1; basic helix-loop-helix domain containing, class B, 2;
Entrez Gene ID	8553
Protein Refseq	NP_003661
UniProt ID	O14503
Chromosome Location	3p26
Pathway	BMAL1:CLOCK,NPAS2 activates circadian gene expression; Circadian rhythm; Circadian rhythm pathway; HIF-2-alpha transcription factor network
Function	E-box binding; MRF binding; RNA polymerase II activating transcription factor binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription
