

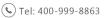


DEC2 Monoclonal Antibody

Catalog No	YP-mAb-01649
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BHLHE41
Protein Name	Class E basic helix-loop-helix protein 41
Immunogen	The antiserum was produced against synthesized peptide derived from human BHLHB3. AA range:1-50
Specificity	DEC2 Monoclonal Antibody detects endogenous levels of 40879 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BHLHE41; BHLHB3; DEC2; SHARP1; Class E basic helix-loop-helix protein 41; bHLHe41; 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
Observed Band	50kD
Cell Pathway	Nucleus .
Tissue Specificity	Highly expressed in skeletal muscle and brain, moderately expressed in pancreas and heart, weakly expressed in placenta, lung, liver and kidney.
Function	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.,
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



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phenotype. [provided by RefSeq, Feb 2014],



This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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