



Mouse anti-Human HEY1 monoclonal antibody, clone 4C4 (CABT-B10397)

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

PRODUCT INFORMATION

Immunogen	HEY1 (NP_036390, 121 a.a. ~ 221 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4C4
Conjugate	Unconjugated
Applications	WB, IF, sELISA, ELISA
Sequence Similarities	DYRSLGFRECLAEVARYLSIIEGLDASDPLRVRLVSHLNNYASQREAASGAHAGLGHIPW GTVFGHHPHIAHPLLLPQNGHGNAGTTASPTEPHHQGRLG*
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 nuclear protein belonging to the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcriptional repressors. Expression of
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this gene is induced by the Notch and c-Jun signal transduction pathways. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Keywords HEY1; hes-related family bHLH transcription factor with YRPW motif 1; CHF2; OAF1; HERP2; HESR1; HRT-1; hHRT1; BHLHb31; hairy/enhancer-of-split related with YRPW motif protein 1; HES-related repressor protein 1; HES-related repressor protein 2; basic helix-loop-helix protein OAF1; hairy-related transcription factor 1; cardiovascular helix-loop-helix factor 2; class B basic helix-loop-helix protein 31; hairy and enhancer of split-related protein 1; hairy/enhancer-of-split related with YRPW motif 1;

GENE INFORMATION

Entrez Gene ID	23462
UniProt ID	Q9Y5J3
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem; Heart Development, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem
Function	DNA binding; protein binding
