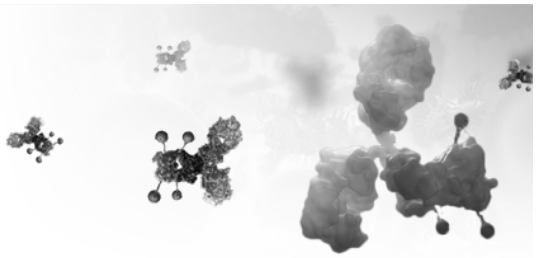

Mouse anti-Human HEY2 monoclonal antibody, clone 3C21 (CABT-B10398)

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

PRODUCT INFORMATION

Immunogen	HEY2 (NP_036391, 1 a.a. ~ 111 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	3C21
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MKRPCEETTSESDMDETIDVGSENNYSGQSTSSVIRLNSPTTTSQIMARKKRRGIIEKRR RDRINNSLSELRRLVPTAFEKQGSAKLEKAEILQMTVDHLKMLQATGGKG
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 member of the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcription factors. The encoded protein forms homo- or hetero-

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	dimers that localize to the nucleus and interact with a histone deacetylase complex to repress transcription. Expression of this gene is induced by the Notch signal transduction pathway. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternatively spliced transcript variants have been found, but their biological validity has not been determined.Mouse monoclonal antibody raised against a partial recombinant HEY2.
Keywords	HEY2; hairy/enhancer-of-split related with YRPW motif 2; CHF1; Hrt2; Herp1; hesr2; bHLHb32; hairy/enhancer-of-split related with YRPW motif protein 2; HRT-2; mHRT2; HESR-2; protein gridlock homolog; HES-related repressor protein 2; hairy-related transcription factor 2; hairy and enhancer of split related 2; Hairy-E(spl)-related with YRPW motif 2; hairy and enhancer of split-related protein 2;

GENE INFORMATION

Entrez Gene ID	23493
UniProt ID	Q9UBP5
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem; Heart Development, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem
Function	DNA binding; RNA polymerase II activating transcription factor binding; histone deacetylase binding; protein binding; sequence-specific DNA binding

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221