



# 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

<b>Immunogen</b>	HEY2 (NP_036391, 1 a.a. ~ 111 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3C21
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,sELISA,ELISA
<b>Sequence Similarities</b>	MKRPCEETTSSESDMDDETIDVGSENNYSQGQSTSSVIRLNSPTTTSQIMARKKRRGIIEKRRRDRIN NSLSELRRLVPTAFEKQGS AKLEKAEILQMTVDHLKMLQATGGKG
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	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 heterodimers 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.

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**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;

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## 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

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