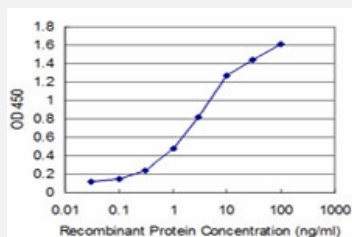


# HEY1 monoclonal antibody (M04), clone 3B2

Catalog # H00023462-M04

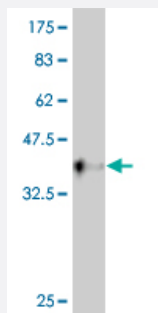
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HEY1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant HEY1.

### Immunogen

HEY1 (NP\_036390, 121 a.a. ~ 220 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

DYRSLGFRECLAEVARYLSIIIEGLDASDPLRVRLVSHLNNYASQREAASGAHAGLGHIPWGTVFGH  
HPHIAHPLLLPQNGHGNAGTTASPTEPHHQGRLG

### Host

Mouse

### Reactivity

Human

Interspecies Antigen Sequence	Mouse (94); Rat (87)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HEY1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — HEY1

Entrez GeneID	<a href="#">23462</a>
GeneBank Accession#	<a href="#">NM_012258</a>
Protein Accession#	<a href="#">NP_036390</a>
Gene Name	HEY1
Gene Alias	BHLHb31, CHF2, HERP2, HESR1, HRT-1, MGC1274, OAF1
Gene Description	hairy/enhancer-of-split related with YRPW motif 1
Omim ID	<a href="#">602953</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

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 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]

**Other Designations**

HES-related repressor protein 2|basic helix-loop-helix protein OAF1|cardiovascular helix-loop-helix factor 2|hairy-related transcription factor 1