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Datasheet for ABIN7154817

**anti-HEY1 antibody (AA 200-300) (HRP)**

## Overview

Quantity:	100 µg
Target:	HEY1
Binding Specificity:	AA 200-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HEY1 antibody is conjugated to HRP
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Hairy/enhancer-of-split related with YRPW motif protein 1 protein (200-300AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	HEY1
Alternative Name:	HEY1 ( <a href="#">HEY1 Products</a> )
Background:	Background: Transcriptional repressor which binds preferentially to the canonical E box

## Target Details

sequence 5\'-CACGTG-3\' (PubMed:11095750). Downstream effector of Notch signaling required for cardiovascular development. Specifically required for the Notch-induced endocardial epithelial to mesenchymal transition, which is itself critical for cardiac valve and septum development. May be required in conjunction with HEY2 to specify arterial cell fate or identity. Promotes maintenance of neuronal precursor cells and glial versus neuronal fate specification. Represses transcription by the cardiac transcriptional activators GATA4 and GATA6 and by the neuronal bHLH factors ASCL1/MASH1 and NEUROD4/MATH3 (PubMed:15485867). Involved in the regulation of liver cancer cells self-renewal (PubMed:25985737).

Aliases: Basic helix loop helix protein OAF1 antibody, bHLHb31 antibody, Cardiovascular helix loop-helix factor 2 antibody, Cardiovascular helix-loop-helix factor 2 antibody, CHF-2 antibody, CHF2 antibody, Class B basic helix-loop-helix protein 31 antibody, Hairy and enhancer of split related protein 1 antibody, Hairy and enhancer of split-related protein 1 antibody, Hairy enhancer-of-split related with YRPW motif protein 1 antibody, Hairy related transcription factor 1 antibody, Hairy-related transcription factor 1 antibody, Hairy/enhancer of split related with YRPW motif 1 antibody, Hairy/enhancer-of-split related with YRPW motif protein 1 antibody, HERP2 antibody, HES related repressor protein 1 antibody, HES-related repressor protein 1 antibody, HES-related repressor protein 2 antibody, HESR-1 antibody, HESR1 antibody, HEY 1 antibody, hey1 antibody, HEY1\_HUMAN antibody, hHRT1 antibody, HRT-1 antibody, HRT1 antibody, OAF1 antibody

UniProt: [Q9Y5J3](#)

Pathways: [Tube Formation](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

## Handling

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handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.