

Datasheet for ABIN7154814  
**anti-HEY1 antibody (AA 200-300)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µg
Target:	HEY1
Binding Specificity:	AA 200-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HEY1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## 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: Recommended dilution: IHC:1:200-1:500,

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

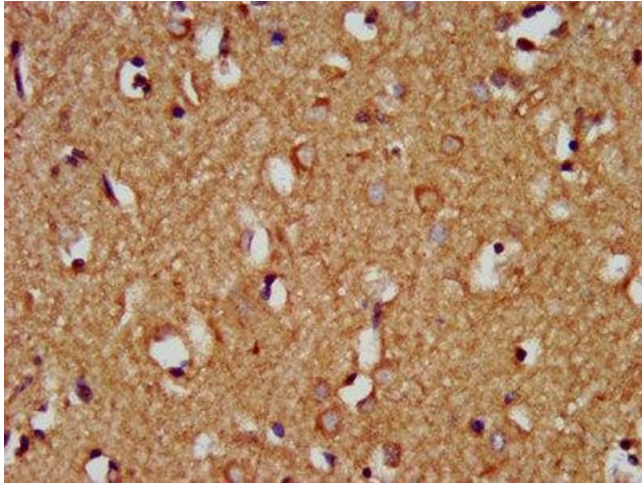
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C,-80 °C

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

## Images



### Immunohistochemistry

**Image 1.** IHC image of ABIN7154814 diluted at 1:200 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.