

Datasheet for ABIN7114852 **anti-HEY1 antibody**

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Overview

Quantity:	100 µg
Target:	HEY1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HEY1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	hairy/enhancer-of-split related with YRPW motif 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	HEY1
Alternative Name:	HEY1 (HEY1 Products)
Background:	Synonyms:BHLHB31, CHF2, HERP2, HESR1, HRT1 Background:Transcriptional repressor which binds preferentially to the canonical E box 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

Target Details

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).

Molecular Weight: 33 kDa

Gene ID: 23462

UniProt: [Q9Y5J3](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: WB: 1:500-1:5000, IP: 1:200-1:2000, IHC: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months