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## anti-HEY1 antibody (AA 200-300) (Biotin)



Overview	
Quantity:	100 μg
Target:	HEY1
Binding Specificity:	AA 200-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HEY1 antibody is conjugated to Biotin
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 (HEY1 Products)
Background:	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 criticial 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, 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, HEY1 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:

Buffer:

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

Preservative:

ProClin

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

### Handling

	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.